NBS

1985-86 NVLAP Directory of Accredited Laboratories

Harvey W. Berger, Editor

U.S. DEPARTMENT OF COMMERCE
National Bureau of Standards
Office of Product Standards Policy
Gaithersburg, MD 20899

January 1986

U.S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS

NBSIR 86-3315

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U.S. DEPARTMENT OF COMMERCE, Malcolm Baldrige, *Secretary*
NATIONAL BUREAU OF STANDARDS, Ernest Ambler, *Director*

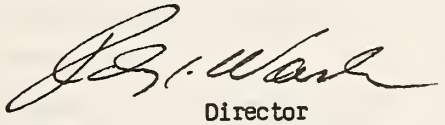
PREFACE

The National Bureau of Standards' National Voluntary Laboratory Accreditation Program (NVLAP) improves the competence of testing laboratories and the reliability of laboratory measurements through transfer of measurement technology. Critical elements of test methods are identified along with precision and accuracies expected from the methods when measurements are made. Proficiency testing and interlaboratory comparisons contribute to improved test methods and laboratory performance.

This directory provides information on the activities of the National Bureau of Standards in administering NVLAP during calendar year 1985. Voluntary participation by the Nation's laboratories is increasing and several new accreditation efforts requested by government agencies and private organizations have been established.

The accredited laboratories have been found competent to perform the specific test methods shown in the Directory of Accredited Laboratories. They have the skilled people, necessary facilities and equipment, and documentation and quality assurance systems to produce reliable test data. We recommend that consideration be given to the use of these laboratories whenever their accredited testing capabilities satisfy testing needs.

NVLAP has also provided the basis for acceptance by other countries of test data produced by laboratories in the United States through bilateral agreements. We shall continue to work toward liberalizing the means to satisfying trade requirements whenever possible.



Director
Office of Product Standards Policy

NVLAP

DIRECTORY OF ACCREDITED LABORATORIES

Contents

REPORT OF PROGRAM ACTIVITIES

Introduction

The National Voluntary Laboratory Accreditation Program (NVLAP), administered by the National Bureau of Standards (NBS), was established in 1976 to accredit laboratories for specific tests or types of tests in certain product or service areas where a need for accreditation is determined. As of December 31, 1985 NVLAP has accredited 145 laboratories in eight laboratory accreditation programs (LAPs).

Accreditation criteria, which are published as part of the NVLAP Procedures (Title 15, Part 7, of the Code of Federal Regulations), are used for evaluating applicant laboratories. (See page ..) NBS uses periodic on-site assessments, proficiency testing programs, and questionnaires as evaluation tools.

This Directory is the ninth in a series which describe NVLAP program activities and present the list of accredited laboratories and the test methods for which they are accredited.

Established Laboratory Accreditation Programs

Laboratories continue to apply for initial accreditation and reaccreditation in the Thermal Insulation, Concrete, Carpet, Stove, Acoustics, Dosimetry, Commercial Products, and Seals and Sealants LAPs. In addition, a new LAP has been established for laboratories that test electromagnetic compatibility and telecommunications equipment.

The current participation and accreditable test methods for all established LAPs are given in following sections of this Directory.

Insulation LAP

The LAP for thermal insulation materials testing has 62 test methods for which a laboratory can seek accreditation. As of December 31, 1985, 37 laboratories were accredited to perform selected test methods.

A paper entitled "NVLAP and the Thermal Insulation Program," by J. Horlick and H. Berger, was published in the Journal of Thermal Insulation, Volume 8, April 1985. The paper describes the proficiency testing program for the Insulation LAP in detail. The Insulation LAP Handbook was substantively revised and issued as NBSIR 85-3184.

Concrete LAP

The LAP for freshly mixed concrete testing has seven test methods for which a laboratory can seek accreditation. As of December 31, 1985, 27 laboratories were accredited to perform selected test methods. The Concrete LAP Handbook was substantively revised and issued as NBSIR 85-3140.

Carpet LAP

The LAP for carpet testing has 12 test methods for which a laboratory can seek accreditation. As of December 31, 1985, 21 laboratories were accredited to perform selected test methods. The Department of Housing and Urban Development uses test results produced by these laboratories as part of its carpet certification program.

NBS has contracted with Southern Technical University to carry out the next two rounds of proficiency testing for the Carpet LAP. Under the direction of Walter Thomas, a NVLAP Technical Expert who has performed on-site assessments, the University will perform all functions necessary to implement proficiency testing for laboratories enrolled in this LAP. NVLAP staff will maintain technical and administrative oversight of the contract.

The Carpet LAP Handbook was substantively revised and issued as NBSIR 85-3198.

Stove LAP

The LAP for solid fuel room heaters, with the addition of three ASTM emissions related tests, now has 39 methods for which a laboratory can seek accreditation. The other methods are sections of UL and CSA standards. Various combinations of methods are available for accreditation to meet the needs of individual laboratories. As of December 31, 1985, 11 laboratories were accredited to perform selected test methods.

NVLAP staff are cooperating with State and private agencies to meet regulatory needs while minimizing proliferation of differing requirements for accreditation and certification.

The Stove LAP Handbook was substantively revised and issued as NBSIR 85-3185.

Acoustics LAP

The LAP for acoustical testing services has 49 test methods for which a laboratory can seek accreditation. As of December 31, 1985, eight laboratories were accredited to perform selected test methods.

NVLAP staff, Acoustics LAP technical experts, and technical representatives of several accredited laboratories met January 7-8 to review and revise the proficiency testing program for this LAP. Comments on proposed changes will be requested of appropriate ASTM committees and all participating laboratories. Changes are intended to make the proficiency testing program more appropriate and effective in assessing laboratory competence.

The Acoustics LAP Handbook was substantively revised and issued as NBSIR 85-3199.

Dosimetry LAP

Processors of personal radiation dosimeters may be accredited in any or all eight testing categories in accordance with ANSI N13.11. Successful completion of proficiency testing in each category requested is mandatory to gain accreditation. As of December 31, 1985, 35 processors were accredited.

The Dosimetry LAP Handbook was substantively revised and issued as NBSIR 85-3170.

Commercial Products LAP

The LAP for commercial products has a total of 188 test methods for which a laboratory can seek accreditation: 127 for paint and related materials, 55 for paper and related products, and 6 for mattresses. As of December 31, 1985, fo r laboratories were accredited: three for paint test methods and one for paper test methods. Accredited laboratories are required to participate in applicable proficiency testing programs offered by Collaborative Testing Services, Inc. The Commercial Products LAP Handbook was substantively revised and issued as NBSIR 85-3171.

Film LAP

The LAP for photographic film was officially established on August 31, 1984. As of December 31, 1985n no requests for accreditation have been received.

Seals and Sealants LAP

The LAP for seals and sealants has 30 test methods for which a laboratory can seek accreditation. As of December 31, 1985, one laboratory was accredited to perform selected test methods.

Electromagnetics LAP

The LAP for laboratories that test electromagnetic compatibility and telecommunications equipment was established in September 1985. The LAP offers four FCC test methods for accreditation. As of December 31, 1985, four laboratories have submitted applications for accreditation.

Laboratory Participation Summary

The following table summarizes accreditation actionsa that have occured during calendar year 1985. Since some laboratories are accredited in more than one LAP, the number of accredited laboratories listed by LAP (see Index B) is greater than the number of laboratories in the system (see Index A).

	TIM	CON	CAR	STO	ACO	CPL	DOS	SEA	TOTAL
New Laboratory Accreditations	3	1		1	1	3	16	1	+26
Voluntary Terminations	3	4	3		1				-11
Suspensions		1				1			- 2
Total Accredited Labs by LAP	37	28	21	11	8	4	35	1	145
Change in Total Accredited Labs from December 1984	+1	-3	-3	+1	0	+2	+16	+1	+15

Publications (selected)

NVLAP Directory of Accredited Laboratories; Midyear Update; NBSIR 85-3204, July 1985

NVLAP Assessment and Evaluation Manual, NBSIR 85-3137

"Laboratory Accreditation and the Procurement Community," May 1985 ASTM Standardization News

Lab Bulletin No. 16: Addition of "Test Method for Emission and Heating Performance" to the Solid Fuel Room Heaters Laboratory Accreditation Program (Stove LAP)

"Laboratory Accreditation: A Useful Procurement Tool" in the Proceedings of the Federal Acquisition Research Symposium, November 20-22, 1985, Richmond, VA

NVLAP Tech Brief: NVLAP Proficiency Testing Program, Carpet LAP, Round 9

INDEXES OF ACCREDITED LABORATORIES

Index A. Laboratory Name and NVLAP Lab Code Number

0183	A & H/FLOOD ENGINEERING	IL
0135	AGUIRRE ENGINEERS	CO
0139	AMERICAN CARPET LABS	GA
0146	AMERICAN TESTING LABS	PA
0218	APACHE BUILDING PRODUCTS	NJ
0536	ARIZONA NUCLEAR POWER PROJECT	AZ
0228	ARMSTRONG WORLD INDUSTRIES	PA
0225	ARNOLD GREENE TESTING LABORATORY	MA
0154	ARUNDEL	MD
0177	ATLANTIC TESTING LABS	NY
0501	BALTIMORE GAS & ELECTRIC	MD
0260	BASF STYROPOR TECHNICAL CENTER	NJ
0156	BIGELOW SANFORD	GA
0178	BIGELOW SANFORD	SC
0102	BUTLER MANUFACTURING	MO
0251	CALIFORNIA DEPT. OF CONSUMER AFFAIRS	CA
0203	CALMAT CO/CONROCK DIV TESTING LAB	CA
0258	CELOTEX TRACY PLANT	CA
0101	CERTAINTEED	PA
0108	CERTIFIED TESTING LABS	GA
0160	CHISHOLM TRAIL TESTING & ENGINEERING	TX
0120	COMMERCIAL TESTING	GA
0215	CONSTRUCTION MATERIALS	CO
0137	CONSTRUCTION TECHNOLOGY LABORATORY	IL
0522	CONSUMERS POWER	MI
0136	CONTRACTOR'S SUPPLY	WV
0190	CORONET CARPET	GA
0243	CUSTOM COATING	GA
0252	D/L LABORATORIES	NY
0529	DETROIT EDISON	MI
0103	DOW CHEMICAL	OH
0175	DOW CHEMICAL, NORTH HAVEN LABS	CT
0505	DUKE POWER	NC
0521	DUQUESNE LIGHT	PA
0113	DYNATECH R & D	MA
0149	E & B CARPET MILLS	GA
0515	EBERLINE SERVICES /THERMO ELECTRON	NM
0507	EPA NUCLEAR RADIATION ASSESSMENT DIV	NV
0115	FACTORY MUTUAL	MA
0257	GAI CONSULTANTS	PA
0163	GALAXY TESTING LAB	GA
0195	GARCO TESTING LABORATORY	UT
0141	GENSTAR STONE PRODUCTS	MD
0142	GEOSCIENCE	CA
0229	GOLD BOND BUILDING PRODUCTS	NY
0510	GPU NUCLEAR CORP.	PA
0208	GULF COAST TESTING LABORATORY	TX
0534	GULF STATES UTILITIES-RIVER BEND	LA
0131	H.C. NUTTING	OH
0151	HARDWOOD PLYWOOD MANUFACTURERS ASSOC	VA
0517	HARRIS ENERGY & ENVIRONMENTAL CENTER	NC
0247	HOLLYTEX CARPET MILL	OK
0239	HOUGH ACOUSTICAL LABORATORY	WI
0519	HOUSTON LIGHTING & POWER	TX
0166	INDEPENDENT TEXTILE TESTING	GA
0210	INSTA-FOAM PRODUCTS	IL
0111	JIM WALTER RESEARCH	FL
0526	KANSAS GAS & ELECTRIC	KS
0143	KELSO INDUSTRIES	TX
0248	KNAUF FIBER GLASS RESEARCH	IN
0530	LOUISIANA POWER & LIGHT CO	LA
0259	MACMILLAN BLOEDEL	AL
0503	MALLINCKRODT DIAGNOSTICS	MO
0123	MANVILLE	CO
0104	NAHB RESEARCH FOUNDATION	MD
0504	NAVAL MEDICAL COMMAND	MD
0509	NAVAL RESEARCH LABORATORY	DC
0508	NEW YORK POWER AUTHORITY-INDIAN POINT	NY
0511	NEW YORK POWER AUTHORITY-LYCOMING	NY
0244	NORTHWEST TESTING LABS	OR

0525	OMAHA PUBLIC POWER DISTRICT	NE
0240	OMNI ENVIRONMENTAL SERVICES	OR
0109	OWENS CORNING FIBERGLAS	OH
0124	OWENS CORNING FIBERGLAS	CA
0125	OWENS CORNING FIBERGLAS	GA
0126	OWENS CORNING FIBERGLAS	KS
0127	OWENS CORNING FIBERGLAS	NJ
0128	OWENS CORNING FIBERGLAS	NY
0129	OWENS CORNING FIBERGLAS	OH
0130	OWENS CORNING FIBERGLAS	TX
0537	PACIFIC GAS & ELECTRIC	CA
0235	PACIFIC INSPECTION & RESEARCH	WA
0223	PFS CORPORATION	WI
0201	PITTSBURGH TESTING LABORATORY	PA
0237	PITTSBURGH TESTING LABORATORY	NY
0531	PUBLIC SERVICE ELECTRIC & GAS	NJ
0518	R. S. LANDAUER JR.	IL
0245	R.F. GEISSER AND ASSOC	RI
0206	R.W. SIDLEY	OH
0261	RADCO	CA
0512	RADIATION DETECTION	CA
0232	RITCHIE LABORATORIES	KS
0227	RIVERBANK ACOUSTICAL LAB OF IIT	IL
0514	ROCHESTER GAS & ELECTRIC	NY
0221	SALEM CARPET LABORATORY	GA
0193	SHAW INDUSTRIES	GA
0264	SHELTON RESEARCH	NM
0532	SIEMENS GAMMASONICS	IL
0192	SMITH-EMERY	CA
0506	SOUTHERN CALIFORNIA EDISON	CA
0114	SOUTHWEST RESEARCH INSTITUTE	TX
0121	SPARRELL ENGINEERING RESEARCH	ME
0246	STOVE TESTING	WA
0220	STRATTON LABORATORIES	GA
0191	STS CONSULTANTS	IL
0233	STS CONSULTANTS	VA
0533	TELEDYNE ISOTOPES	NJ
0516	TENNESSEE VALLEY AUTHORITY	AL
0196	TEXAS TESTING LABORATORY	TX
0528	TEXAS UTILITIES GENERATING	TX
0188	TWIN CITY TESTING AND ENGINEERING	MN
0216	U.S. GYPSUM COMPANY	IL
0116	UNDERWRITERS LABORATORIES	IL
0117	UNDERWRITERS LABORATORIES	CA
0255	UNDERWRITERS LABORATORIES	NY
0502	UNION ELECTRIC	MO
0105	UNITED STATES TESTING	NJ
0106	UNITED STATES TESTING	CA
0106	UNITED STATES TESTING	CA
0107	UNITED STATES TESTING	OK
0266	UNITED STATES TESTING	NJ
0241	UNITED STATES TESTING WESTERN STATES	CA
0539	US ARMY IONIZING RADIATION DOS CTR	KY
0230	VIRGINIA CONCRETE LABORATORY	VA
0520	VIRGINIA ELECTRIC & POWER, MINERAL	VA
0523	VIRGINIA ELECTRIC & POWER, SURRY	VA
0250	W. R. GRACE	MA
0176	W. R. GRACE	MA
0133	WALT KEELER	KS
0249	WARNOCK HERSEY INT'L	WI
0256	WESTERN ELECTRO-ACOUSTIC LAB	CA
0263	WHITTAKER ANALYTICAL SERVICES	CA
0226	WISS, JANNEY, ELSTNER AND ASSOCIATES	IL
0197	WORLD CARPETS	GA
0524	YANKEE ATOMIC ELECTRIC	MA

Index B. LAP Name and Laboratories Accredited Under Each LAP

Acoustics LAP

0109	OWENS CORNING FIBERGLAS	OH
0111	JIM WALTER RESEARCH	FL
0123	MANVILLE	CO
0227	RIVERBANK ACOUSTICAL LAB OF IIT	IL
0228	ARMSTRONG WORLD INDUSTRIES	PA
0229	GOLD BOND BUILDING PRODUCTS	NY
0239	HOUGH ACOUSTICAL LABORATORY	WI
0256	WESTERN ELECTRO-ACOUSTIC LAB	CA

Carpet LAP

0106	UNITED STATES TESTING	CA
0108	CERTIFIED TESTING LABS	GA
0114	SOUTHWEST RESEARCH INSTITUTE	TX
0115	FACTORY MUTUAL	MA
0120	COMMERCIAL TESTING	GA
0139	AMERICAN CARPET LABS	GA
0149	E & B CARPET MILLS	GA
0151	HARDWOOD PLYWOOD MANUFACTURERS ASSOC	VA
0156	BIGELOW SANFORD	GA
0160	CHISHOLM TRAIL TESTING & ENGINEERING	TX
0163	GALAXY TESTING LAB	GA
0166	INDEPENDENT TEXTILE TESTING	GA
0178	BIGELOW SANFORD	SC
0190	CORONET CARPET	GA
0193	SHAW INDUSTRIES	GA
0197	WORLD CARPETS	GA
0220	STRATTON LABORATORIES	GA
0221	SALEM CARPET LABORATORY	GA
0243	CUSTOM COATING	GA
0247	HOLLYTEX CARPET MILL	OK
0255	UNDERWRITERS LABORATORIES	NY

Concrete LAP

0131	H.C. NUTTING	OH
0133	WALT KEELER	KS
0135	AGUIRRE ENGINEERS	CO
0136	CONTRACTOR'S SUPPLY	WV
0137	CONSTRUCTION TECHNOLOGY LABORATORY	IL
0141	GENSTAR STONE PRODUCTS	MD
0143	KELSO INDUSTRIES	TX
0146	AMERICAN TESTING LABS	PA
0154	ARUNDEL	MD
0176	W. R. GRACE	MA
0177	ATLANTIC TESTING LABS	NY
0183	A & H/FLOOD ENGINEERING	IL
0188	TWIN CITY TESTING AND ENGINEERING	MN
0191	STS CONSULTANTS	IL
0192	SMITH-EMERY	CA
0195	GARCO TESTING LABORATORY	UT
0196	TEXAS TESTING LABORATORY	TX
0201	PITTSBURGH TESTING LABORATORY	PA
0203	CALMAT CO/CONROCK DIV TESTING LAB	CA
0206	R.W. SIDLEY	OH
0208	GULF COAST TESTING LABORATORY	TX
0215	CONSTRUCTION MATERIALS	CO
0230	VIRGINIA CONCRETE LABORATORY	VA
0232	RITCHIE LABORATORIES	KS
0233	STS CONSULTANTS	VA
0237	PITTSBURGH TESTING LABORATORY	NY
0241	UNITED STATES TESTING WESTERN STATES	CA
0257	GAI CONSULTANTS	PA

Commercial Products LAP

0252	D/L LABORATORIES	NY
0259	MACMILLAN BLOEDEL	AL
0263	WHITTAKER ANALYTICAL SERVICES	CA
0266	UNITED STATES TESTING	NJ

Dosimetry LAP

0501	BALTIMORE GAS & ELECTRIC	MD
0502	UNION ELECTRIC	MO
0503	MALLINCKRODT DIAGNOSTICS	MO
0504	NAVAL MEDICAL COMMAND	MD
0505	DUKE POWER	NC
0506	SOUTHERN CALIFORNIA EDISON	CA
0507	EPA NUCLEAR RADIATION ASSESSMENT DIV	NV
0508	NEW YORK POWER AUTHORITY-INDIAN POINT	NY
0509	NAVAL RESEARCH LABORATORY	DC
0510	GPU NUCLEAR CORP.	PA
0511	NEW YORK POWER AUTHORITY-LYCOMING	NY
0512	RADIATION DETECTION	CA
0514	ROCHESTER GAS & ELECTRIC	NY
0515	EBERLINE SERVICES /THERMO ELECTRON	NM
0516	TENNESSEE VALLEY AUTHORITY	AL
0517	HARRIS ENERGY & ENVIRONMENTAL CENTER	NC
0518	R. S. LANDAUER JR.	IL
0519	HOUSTON LIGHTING & POWER	TX
0520	VIRGINIA ELECTRIC & POWER, MINERAL	VA
0521	DUQUESNE LIGHT	PA
0522	CONSUMERS POWER	MI
0523	VIRGINIA ELECTRIC & POWER, SURRY	VA
0524	YANKEE ATOMIC ELECTRIC	MA
0525	OMAHA PUBLIC POWER DISTRICT	NE
0526	KANSAS GAS & ELECTRIC	KS
0528	TEXAS UTILITIES GENERATING	TX
0529	DETROIT EDISON	MI
0530	LOUISIANA POWER & LIGHT CO	LA
0531	PUBLIC SERVICE ELECTRIC & GAS	NJ
0532	SIEMENS GAMMASONICS	IL
0533	TELEDYNE ISOTOPES	NJ
0534	GULF STATES UTILITIES-RIVER BEND	LA
0536	ARIZONA NUCLEAR POWER PROJECT	AZ
0537	PACIFIC GAS & ELECTRIC	CA
0539	US ARMY IONIZING RADIATION DOS CTR	KY

Seals and Sealants LAP

0252	D/L LABORATORIES	NY

Stove LAP

0116	UNDERWRITERS LABORATORIES	IL
0117	UNDERWRITERS LABORATORIES	CA
0223	PFS CORPORATION	WI
0225	ARNOLD GREENE TESTING LABORATORY	MA
0235	PACIFIC INSPECTION & RESEARCH	WA
0240	OMNI ENVIRONMENTAL SERVICES	OR
0244	NORTHWEST TESTING LABS	OR
0245	R.F. GEISSER AND ASSOC	RI
0246	STOVE TESTING	WA
0249	WARNOCK HERSEY INT'L	WI
0264	SHELTON RESEARCH	NM

Thermal Insulation LAP

0101	CERTAINTEED	PA
0102	BUTLER MANUFACTURING	MO
0103	DOW CHEMICAL	OH
0104	NAHB RESEARCH FOUNDATION	MD
0105	UNITED STATES TESTING	NJ
0106	UNITED STATES TESTING	CA
0107	UNITED STATES TESTING	OK
0109	OWENS CORNING FIBERGLAS	OH
0111	JIM WALTER RESEARCH	FL
0113	DYNATECH R & D	MA
0115	FACTORY MUTUAL	MA
0116	UNDERWRITERS LABORATORIES	IL
0117	UNDERWRITERS LABORATORIES	CA
0120	COMMERCIAL TESTING	GA
0121	SPARRELL ENGINEERING RESEARCH	ME
0123	MANVILLE	CO

0124	OWENS CORNING FIBERGLAS	CA
0125	OWENS CORNING FIBERGLAS	GA
0126	OWENS CORNING FIBERGLAS	KS
0127	OWENS CORNING FIBERGLAS	NJ
0128	OWENS CORNING FIBERGLAS	NY
0129	OWENS CORNING FIBERGLAS	OH
0130	OWENS CORNING FIBERGLAS	TX
0142	GEOSCIENCE	CA
0151	HARDWOOD PLYWOOD MANUFACTURERS ASSOC	VA
0175	DOW CHEMICAL, NORTH HAVEN LABS	CT
0188	TWIN CITY TESTING AND ENGINEERING	MN
0210	INSTA-FOAM PRODUCTS	IL
0216	U.S. GYPSUM COMPANY	IL
0218	APACHE BUILDING PRODUCTS	NJ
0226	WISS, JANNEY, ELSTNER AND ASSOCIATES	IL
0248	KNAUF FIBER GLASS RESEARCH	IN
0250	W. R. GRACE	MA
0251	CALIFORNIA DEPT. OF CONSUMER AFFAIRS	CA
0258	CELOTEX TRACY PLANT	CA
0260	BASF STYROPOR TECHNICAL CENTER	NJ
0261	RADCO	CA

Index C. Accredited Laboratories by State and Lab Code Number

0259	MACMILLAN BLOEDEL	AL
0516	TENNESSEE VALLEY AUTHORITY	AL
0536	ARIZONA NUCLEAR POWER PROJECT	AZ
0251	CALIFORNIA DEPT. OF CONSUMER AFFAIRS	CA
0203	CALMAT CO/CONROCK DIV TESTING LAB	CA
0258	CELOTEX TRACY PLANT	CA
0142	GEOSCIENCE	CA
0124	OWENS CORNING FIBERGLAS	CA
0537	PACIFIC GAS & ELECTRIC	CA
0261	RADCO	CA
0512	RADIATION DETECTION	CA
0192	SMITH-EMERY	CA
0506	SOUTHERN CALIFORNIA EDISON	CA
0117	UNDERWRITERS LABORATORIES	CA
0117	UNDERWRITERS LABORATORIES	CA
0106	UNITED STATES TESTING	CA
0106	UNITED STATES TESTING	CA
0241	UNITED STATES TESTING WESTERN STATES	CA
0256	WESTERN ELECTRO-ACOUSTIC LAB	CA
0263	WHITTAKER ANALYTICAL SERVICES	CA
0135	AGUIRRE ENGINEERS	CO
0215	CONSTRUCTION MATERIALS	CO
0123	MANVILLE	CO
0123	MANVILLE	CO
0175	DOW CHEMICAL, NORTH HAVEN LABS	CT
0509	NAVAL RESEARCH LABORATORY	DC
0111	JIM WALTER RESEARCH	FL
0111	JIM WALTER RESEARCH	FL
0139	AMERICAN CARPET LABS	GA
0156	BIGELOW SANFORD	GA
0108	CERTIFIED TESTING LABS	GA
0120	COMMERCIAL TESTING	GA
0120	COMMERCIAL TESTING	GA
0190	CORONET CARPET	GA
0243	CUSTOM COATING	GA
0149	E & B CARPET MILLS	GA
0163	GALAXY TESTING LAB	GA
0166	INDEPENDENT TEXTILE TESTING	GA
0125	OWENS CORNING FIBERGLAS	GA
0221	SALEM CARPET LABORATORY	GA
0193	SHAW INDUSTRIES	GA
0220	STRATTON LABORATORIES	GA
0197	WORLD CARPETS	GA
0183	A & H/FLOOD ENGINEERING	IL
0137	CONSTRUCTION TECHNOLOGY LABORATORY	IL
0210	INSTA-FOAM PRODUCTS	IL
0518	R. S. LANDAUER JR.	IL
0227	RIVERBANK ACOUSTICAL LAB OF IIT	IL
0532	SIEMENS GAMMASONICS	IL
0191	STS CONSULTANTS	IL
0216	U.S. GYPSUM COMPANY	IL
0116	UNDERWRITERS LABORATORIES	IL
0116	UNDERWRITERS LABORATORIES	IL
0226	WISS, JANNEY, ELSTNER AND ASSOCIATES	IL
0248	KNAUF FIBER GLASS RESEARCH	IN
0526	KANSAS GAS & ELECTRIC	KS
0126	OWENS CORNING FIBERGLAS	KS
0232	RITCHIE LABORATORIES	KS
0133	WALT KEELER	KS
0539	US ARMY IONIZING RADIATION DOS CTR	KY
0534	GULF STATES UTILITIES-RIVER BEND	LA
0530	LOUISIANA POWER & LIGHT CO	LA
0225	ARNOLD GREENE TESTING LABORATORY	MA
0113	DYNATECH R & D	MA
0115	FACTORY MUTUAL	MA
0115	FACTORY MUTUAL	MA
0250	W. R. GRACE	MA
0176	W. R. GRACE	MA
0524	YANKEE ATOMIC ELECTRIC	MA
0154	ARUNDEL	MD
0501	BALTIMORE GAS & ELECTRIC	MD
0141	GENSTAR STONE PRODUCTS	MD

0104	NAHB RESEARCH FOUNDATION	MD
0504	NAVAL MEDICAL COMMAND	MD
0121	SPARRELL ENGINEERING RESEARCH	ME
0522	CONSUMERS POWER	MI
0529	DETROIT EDISON	MI
0188	TWIN CITY TESTING AND ENGINEERING	MN
0188	TWIN CITY TESTING AND ENGINEERING	MN
0102	BUTLER MANUFACTURING	MO
0503	MALLINCKRODT DIAGNOSTICS	MO
0502	UNION ELECTRIC	MO
0505	DUKE POWER	NC
0517	HARRIS ENERGY & ENVIRONMENTAL CENTER	NC
0525	OMAHA PUBLIC POWER DISTRICT	NE
0218	APACHE BUILDING PRODUCTS	NJ
0260	BASF STYROPOR TECHNICAL CENTER	NJ
0127	OWENS CORNING FIBERGLAS	NJ
0531	PUBLIC SERVICE ELECTRIC & GAS	NJ
0533	TELEDYNE ISOTOPES	NJ
0105	UNITED STATES TESTING	NJ
0266	UNITED STATES TESTING	NJ
0515	EBERLINE SERVICES /THERMO ELECTRON	NM
0264	SHELTON RESEARCH	NM
0507	EPA NUCLEAR RADIATION ASSESSMENT DIV	NV
0177	ATLANTIC TESTING LABS	NY
0252	D/L LABORATORIES	NY
0252	D/L LABORATORIES	NY
0229	GOLD BOND BUILDING PRODUCTS	NY
0508	NEW YORK POWER AUTHORITY-INDIAN POINT	NY
0511	NEW YORK POWER AUTHORITY-LYCOMING	NY
0128	OWENS CORNING FIBERGLAS	NY
0237	PITTSBURGH TESTING LABORATORY	NY
0514	ROCHESTER GAS & ELECTRIC	NY
0255	UNDERWRITERS LABORATORIES	NY
0103	DOW CHEMICAL	OH
0131	H.C. NUTTING	OH
0109	OWENS CORNING FIBERGLAS	OH
0109	OWENS CORNING FIBERGLAS	OH
0129	OWENS CORNING FIBERGLAS	OH
0206	R.W. SIDLEY	OH
0247	HOLLYTEX CARPET MILL	OK
0107	UNITED STATES TESTING	OK
0244	NORTHWEST TESTING LABS	OR
0240	OMNI ENVIRONMENTAL SERVICES	OR
0146	AMERICAN TESTING LABS	PA
0228	ARMSTRONG WORLD INDUSTRIES	PA
0101	CERTAINTEED	PA
0521	DUQUESNE LIGHT	PA
0257	GAI CONSULTANTS	PA
0510	GPU NUCLEAR CORP.	PA
0201	PITTSBURGH TESTING LABORATORY	PA
0245	R.F. GEISSER AND ASSOC	RI
0178	BIGELOW SANFORD	SC
0160	CHISHOLM TRAIL TESTING & ENGINEERING	TX
0208	GULF COAST TESTING LABORATORY	TX
0519	HOUSTON LIGHTING & POWER	TX
0143	KELSO INDUSTRIES	TX
0130	OWENS CORNING FIBERGLAS	TX
0114	SOUTHWEST RESEARCH INSTITUTE	TX
0196	TEXAS TESTING LABORATORY	TX
0528	TEXAS UTILITIES GENERATING	TX
0195	GARCO TESTING LABORATORY	UT
0151	HARDWOOD PLYWOOD MANUFACTURERS ASSOC	VA
0151	HARDWOOD PLYWOOD MANUFACTURERS ASSOC	VA
0233	STS CONSULTANTS	VA
0230	VIRGINIA CONCRETE LABORATORY	VA
0520	VIRGINIA ELECTRIC & POWER, MINERAL	VA
0523	VIRGINIA ELECTRIC & POWER, SURRY	VA
0235	PACIFIC INSPECTION & RESEARCH	WA
0246	STOVE TESTING	WA
0239	HOUGH ACOUSTICAL LABORATORY	WI
0223	PFS CORPORATION	WI
0249	WARNOCK HERSEY INT'L	WI
0136	CONTRACTOR'S SUPPLY	WV

Index D. Test Methods Available Under Each LAP

This index provides a cross reference of NVLAP test method code numbers and designations for the methods offered under each LAP. The test methods for which each laboratory is accredited are shown in Index E and in the Scope of Accreditation shown for each laboratory, in the Directory

INSULATION LAP

Listing by NVLAP Code

01/C01	ASTM C739	01/D19	ASTM D2126	01/S04	ASTM C209
01/C02	HH-I-515	01/D20	ASTM D2126	01/S05	ASTM C209
01/D01	ASTM C136	01/D21	ASTM D2126	01/S06	ASTM C209
01/D02	ASTM C167	01/D22	ASTM D2126	01/S07	ASTM C273
01/D03	ASTM C209	01/D23	ASTM D2842	01/S08	ASTM C446
01/D04	ASTM C209	01/D24	ASTM C739	01/S09	ASTM D781
01/D05	ASTM C209	01/D25	HH-I-515	01/S10	ASTM D828
01/D06	ASTM C209	01/D26	HH-I-515	01/S11	ASTM D1621
01/D07	ASTM C272	01/D27	ASTM D2126	01/T01	ASTM C177
01/D08	ASTM C302	01/D28	ASTM D2126	01/T04	ASTM C236
01/D09	ASTM C303	01/F01	TAPPI T461	01/T05	ASTM C335
01/D11	ASTM C356	01/F02	ASTM E84	01/T06	ASTM C518
01/D12	ASTM C411	01/F05	ASTM E136	01/T09	ASTM C653
01/D13	ASTM C519	01/F06	ASTM C739	01/T10	ASTM C687
01/D14	ASTM C520	01/F07	HH-I-515	01/V02	TAPPI T419
01/D15	ASTM D756	01/F08	HH-I-515	01/V03	ASTM D2020
01/D16	ASTM D756	01/S01	ASTM C165	01/V04	ASTM E96
01/D17	ASTM D756	01/S02	ASTM C203	01/V05	HH-I-515
01/D18	ASTM D1622	01/S03	ASTM C209	01/V06	HH-I-515

Listing by Designation

ASTM C136	01/D01	ASTM C356	01/D11	ASTM D2126	01/D28
ASTM C165	01/S01	ASTM C411	01/D12	ASTM D2842	01/D23
ASTM C167	01/D02	ASTM C446	01/S08	ASTM D756	01/D15
ASTM C177	01/T01	ASTM C518	01/T06	ASTM D756	01/D16
ASTM C203	01/S02	ASTM C519	01/D13	ASTM D756	01/D17
ASTM C209	01/D03	ASTM C520	01/D14	ASTM D781	01/S09
ASTM C209	01/D04	ASTM C653	01/T09	ASTM D828	01/S10
ASTM C209	01/D05	ASTM C687	01/T10	ASTM E136	01/F05
ASTM C209	01/D06	ASTM C739	01/C01	ASTM E84	01/F02
ASTM C209	01/S03	ASTM C739	01/D24	ASTM E96	01/V04
ASTM C209	01/S04	ASTM C739	01/F06	HH-I-515	01/C02
ASTM C209	01/S05	ASTM D1621	01/S11	HH-I-515	01/D25
ASTM C209	01/S06	ASTM D1622	01/D18	HH-I-515	01/D26
ASTM C236	01/T04	ASTM D2020	01/V03	HH-I-515	01/F07
ASTM C272	01/D07	ASTM D2126	01/D19	HH-I-515	01/F08
ASTM C273	01/S07	ASTM D2126	01/D20	HH-I-515	01/V05
ASTM C302	01/D08	ASTM D2126	01/D21	HH-I-515	01/V06
ASTM C303	01/D09	ASTM D2126	01/D22	TAPPI T419	01/V02
ASTM C335	01/T05	ASTM D2126	01/D27	TAPPI T461	01/F01

01/C03	California Energy Commission (CEC) tests for Corrosiveness
01/D29	CEC tests for Installed Compressed Thickness
01/S12	CEC tests for Bond Strength
01/S13	CEC tests for Bond Deflection
01/S14	CEC tests for Air Erosion

CONCRETE LAP

Listing by NVLAP Code		Listing by Designation	
02/A01	ASTM C231	ASTM C31	02/M01
02/A02	ASTM C173	ASTM C39	02/S01
02/M01	ASTM C31	ASTM C138	02/W01
02/M03	ASTM C172	ASTM C143	02/P01
02/P01	ASTM C143	ASTM C172	02/M03
02/S01	ASTM C39	ASTM C173	02/A02
02/W01	ASTM C138	ASTM C231	02/A01

CARPET LAP

Listing by NVLAP Code		Listing by Designation	
03/C01	AATCC 16E	AATCC 134/CRI 102	03/E01
03/C02	AATCC 8	AATCC 16E	03/C01
03/D01	ASTM D418	AATCC 8	03/C02
03/D02	DDD-C-95A	ASTM D1335	03/S01
03/S01	ASTM D1335	ASTM D418	03/D01
03/E01	AATCC 134/CRI 102	ASTM E648	03/F04
03/F01	ASTM E84	ASTM E84	03/F01
03/F02	UL 992	DDD-C-95A	03/D02
03/F03	16 CFR Part 1630 sec 1630.4	UL 992	03/F02
03/F04	ASTM E648	UM 44C Addenda 2 and 3	03/B02
03/B01	UM 44C Addendum 3	UM 44C Addendum 3	03/B01
03/B02	UM 44C Addenda 2 and 3	16 CFR Part 1630 sec 1630.4	03/F03

STOVE LAP

	Section of UL 737 5th Edition (11/9/82)	Section of UL 1482 2nd Edition (1/24/83)		Section of UL 737 5th Edition (11/9/82)	Section of UL 1482 2nd Edition (1/24/83)
04/F01	8	8	04/M02	17	17
04/F02	9	9	04/M03	17	17
04/F04	11	11	04/E01	33	33
04/F05		14	04/E02	34	34
04/F06	12	12	04/E03	35	35
04/F07	13	13	04/E04	36	36
04/F08	15	16	04/E05	38	38
04/F09	16	16	04/E06	37	37
04/F10	14	15	04/E07	39	39
04/M01	17	17	04/E08	40	40

Section of CSA Standard

	B 366.2-M1984 (ULC s627-M1984) (April, 1984)		C 22.2 No. 3 1979	C 22.2 No. 113 1982
04/F11	7.2	04/E09	6.2	6.4
04/F12	7.3	04/E10	6.2	6.4
04/F14	7.5	04/E11		6.8
04/F16	7.6	04/E12	6.3	6.5
04/F17	7.7	04/E13	6.4	6.9
04/F18	7.12			
04/F19	7.10			
04/F20	7.11			
04/M04	12			
04/M05	12			
04/M06	12			

04/G01	ASTM P180 Particulate emissions characteristics tests
04/G02	ASTM P180 Flue-loss thermodynamic performance tests
04/G03	ASTM P180 Room calorimeter thermodynamics performance tests

ACOUSTICS LAP

Listing by NVLAP Code

08/E01	ANSI B71.para. 9/21
08/E02	ANSI S1.29
08/E03	ANSI S1.34
08/E04	ANSI S3.19
08/E05	ANSI S5.1
08/E06	ANSI S5.1
08/E07	ANSI S5.1
08/E08	ANSI S5.1
08/E09	ISO 362
08/E10	ISO 512
08/E11	ISO 3744
08/E12	ISO 5130
08/E13	SAE J192a
08/E14	SAE J1161
08/E15	Title 40, CFR, Part 205
08/E16	Title 40, CFR, Part 205
08/E17	Title 40, CFR, Part 205
08/E18	Title 40, CFR, Part 205
08/E19	Title 40, CFR, Part 205
08/E20	AMCA Test Code 300
08/E21	AMA-1-II-67
08/E22	EEC 81/334 Ann.I,para. 5.2
08/E23	EEC 70/388
08/E24	TRIAS 20
08/E25	TRIAS 21
08/E26	ECE Regulation No. 28
08/E27	ECE Reg.No. 51 Annex 3
08/P01	ASTM C367
08/P02	ASTM C384
08/P03	ASTM C423
08/P04	ASTM C522
08/P05	ASTM C523
08/P06	ASTM E90
08/P07	ASTM E492
08/P08	ASTM E596
08/P09	ASTM E756
08/P11	ANSI S1.31
08/P12	ANSI S1.31
08/P13	ANSI S1.32
08/P14	ANSI S1.35
08/P15	ANSI S1.35
08/P16	ANSI S1.35
08/P17	ISO 3741
08/P18	ISO 3741
08/P19	ISO 3741
08/P20	ISO 3742
08/P21	ISO 3745
08/P22	ISO 3745
08/P23	ISO 3745
08/P10	ANSI S1.31

Listing by Designation

AMA-1-II-67	08/E21
AMCA Test Code 300	08/E20
ANSI B71. para. 9/ 21	08/E01
ANSI S1.29	08/E02
ANSI S1.31	08/P11
ANSI S1.31	08/P12
ANSI S1.31	08/P10
ANSI S1.32	08/P13
ANSI S1.34	08/E03
ANSI S1.35	08/P14
ANSI S1.35	08/P15
ANSI S1.35	08/P16
ANSI S3.19	08/E04
ANSI S5.1	08/E05
ANSI S5.1	08/E06
ANSI S5.1	08/E07
ANSI S5.1	08/E08
ASTM C367	08/P01
ASTM C384	08/P02
ASTM C423	08/P03
ASTM C522	08/P04
ASTM C523	08/P05
ASTM E492	08/P07
ASTM E596	08/P08
ASTM E756	08/P09
ASTM E90	08/P06
ECE Regulation No. 28	08/E26
ECE Reg. No. 51 Annex 3	08/E27
EEC 70/388	08/E23
EEC 81/334 Annex I, para. 5.2	08/E22
ISO 362	08/E09
ISO 3741	08/P17
ISO 3741	08/P18
ISO 3741	08/P19
ISO 3742	08/P20
ISO 3744	08/E11
ISO 3745	08/P21
ISO 3745	08/P22
ISO 3745	08/P23
ISO 512	08/E10
ISO 5130	08/E12
SAE J1161	08/E14
SAE J192a	08/E13
Title 40, CFR, Part 205	08/E15
Title 40, CFR, Part 205	08/E16
Title 40, CFR, Part 205	08/E17
Title 40, CFR, Part 205	08/E18
Title 40, CFR, Part 205	08/E19
TRIAS 20	08/E24
TRIAS 21	08/E25

COMMERCIAL PRODUCTS LAP

Paints and Related Coatings and Materials-Listing by NVLAP Code

09/A01	ASTM D56	09/A15	ASTM D1310
09/A02	ASTM D93	09/A16	ASTM D1400
09/A03	ASTM D153	09/A17	ASTM D1475
09/A04	ASTM D185	09/A18	ASTM D1544
09/A05	ASTM D281	09/A19	ASTM D1729
09/A06	ASTM D387	09/A20	ASTM D2244
09/A07	ASTM D523	09/A21	ASTM D3278
09/A08	ASTM D562	09/A22	ASTM D3363
09/A09	ASTM D1005	09/A23	ASTM D3793
09/A10	ASTM D1186	09/A24	ASTM D4061
09/A11	ASTM D1200	09/A25	ASTM D4212
09/A12	ASTM D1210	09/A26	ASTM E97
09/A13	ASTM D1212	09/A27	ASTM E308
09/A14	ASTM D1296	09/A28	ASTM E313
09/B01	ASTM D279	09/B23	ASTM D1640
09/B02	ASTM D332	09/B24	ASTM D1737
09/B03	ASTM D344	09/B25	ASTM D2197
09/B04	ASTM D610	09/B26	ASTM D2243
09/B05	ASTM D659	09/B27	ASTM D2248
09/B06	ASTM D660	09/B28	ASTM D2366
09/B07	ASTM D661	09/B29	ASTM D2486
09/B08	ASTM D662	09/B30	ASTM D2801
09/B09	ASTM D711	09/B31	ASTM D2805
09/B10	ASTM D714	09/B32	ASTM D3273
09/B11	ASTM D772	09/B33	ASTM D3274
09/B12	ASTM D821	09/B34	ASTM D3450
09/B13	ASTM D868	09/B35	ASTM D3456
09/B14	ASTM D869	09/B36	ASTM D3623
09/B15	ASTM D870	09/B37	ASTM D4060
09/B16	ASTM D913	09/B38	ASTM D4062
09/B17	ASTM D968	09/B39	ASTM D4213
09/B18	ASTM D969	09/B40	ASTM D4214
09/B19	ASTM D1308	09/B41	Fed. Std. 141
09/B20	ASTM D1309		Method 4494
09/B21	ASTM D1360	09/B42	Fed. Std. 141
09/B22	ASTM D1543		Method 4061
09/C01	ASTM D34	09/C21	ASTM D1639
09/C02	ASTM D95	09/C22	ASTM D1644
09/C03	ASTM D521	09/C23	ASTM D1652
09/C04	ASTM D563	09/C24	ASTM D2075
09/C05	ASTM D611	09/C25	ASTM D2076
09/C06	ASTM D1078	09/C26	ASTM D2369
09/C07	ASTM D1133	09/C27	ASTM D2371
09/C08	ASTM D1208	09/C28	ASTM D2697
09/C09	ASTM D1259	09/C29	ASTM D2698
09/C10	ASTM D1306	09/C30	ASTM D2832
09/C11	ASTM D1353	09/C31	ASTM D3009
09/C12	ASTM D1364	09/C32	ASTM D3271
09/C13	ASTM D1394	09/C33	ASTM D3272
09/C14	ASTM D1397	09/C34	ASTM D3335
09/C15	ASTM D1398	09/C35	ASTM D3624
09/C16	ASTM D1399	09/C36	ASTM D3718
09/C17	ASTM D1467	09/C37	ASTM D3723
09/C18	ASTM D1469	09/C38	ASTM D3792
09/C19	ASTM D1541	09/C39	ASTM D3960
09/C20	ASTM D1613	09/C40	ASTM D4017
09/D01	ASTM B117	09/D09	ASTM D1734
09/D02	ASTM D609	09/D10	ASTM D2247
09/D03	ASTM D822	09/D11	ASTM D2372
09/D04	ASTM D823	09/D12	ASTM D3361
09/D05	ASTM D1106	09/D13	ASTM D3924
09/D06	ASTM D1014	09/D14	ASTM G23
09/D07	ASTM D1654	09/D15	ASTM G26
09/D08	ASTM D1730	09/D16	ASTM G53

ASTM B117	09/D01	ASTM D1541	09/C19
ASTM D34	09/C01	ASTM D1543	09/B22
ASTM D56	09/A01	ASTM D1544	09/A18
ASTM D93	09/A02	ASTM D1613	09/C20
ASTM D95	09/C02	ASTM D1639	09/C21
ASTM D153	09/A03	ASTM D1640	09/B23
ASTM D185	09/A04	ASTM D1644	09/C22
ASTM D279	09/B01	ASTM D1652	09/C23
ASTM D281	09/A05	ASTM D1654	09/D07
ASTM D332	09/B02	ASTM D1729	09/A19
ASTM D344	09/B03	ASTM D1730	09/D08
ASTM D387	09/A06	ASTM D1734	09/D09
ASTM D521	09/C03	ASTM D1737	09/B24
ASTM D523	09/A07	ASTM D2075	09/C24
ASTM D562	09/A08	ASTM D2076	09/C25
ASTM D563	09/C04	ASTM D2197	09/B25
ASTM D609	09/D02	ASTM D2243	09/B26
ASTM D610	09/B04	ASTM D2244	09/A20
ASTM D611	09/C05	ASTM D2247	09/D10
ASTM D659	09/B05	ASTM D2248	09/B27
ASTM D660	09/B06	ASTM D2366	09/B28
ASTM D661	09/B07	ASTM D2369	09/C26
ASTM D662	09/B08	ASTM D2371	09/C27
ASTM D711	09/B09	ASTM D2372	09/D11
ASTM D714	09/B10	ASTM D2486	09/B29
ASTM D772	09/B11	ASTM D2697	09/C28
ASTM D821	09/B12	ASTM D2698	09/C29
ASTM D822	09/D03	ASTM D2801	09/B30
ASTM D823	09/D04	ASTM D2805	09/B31
ASTM D868	09/B13	ASTM D2832	09/C30
ASTM D869	09/B14	ASTM D3009	09/C31
ASTM D870	09/B15	ASTM D3271	09/C32
ASTM D913	09/B16	ASTM D3272	09/C33
ASTM D968	09/B17	ASTM D3273	09/B32
ASTM D969	09/B18	ASTM D3274	09/B33
ASTM D1005	09/A09	ASTM D3278	09/A21
ASTM D1014	09/D06	ASTM D3335	09/C34
ASTM D1078	09/C06	ASTM D3361	09/D12
ASTM D1106	09/D05	ASTM D3363	09/A22
ASTM D1133	09/C07	ASTM D3450	09/B34
ASTM D1186	09/A10	ASTM D3456	09/B35
ASTM D1200	09/A11	ASTM D3623	09/B36
ASTM D1208	09/C08	ASTM D3624	09/C35
ASTM D1210	09/A12	ASTM D3718	09/C36
ASTM D1212	09/A13	ASTM D3723	09/C37
ASTM D1259	09/C09	ASTM D3792	09/C38
ASTM D1296	09/A14	ASTM D3793	09/A23
ASTM D1306	09/C10	ASTM D3924	09/D13
ASTM D1308	09/B19	ASTM D3960	09/C39
ASTM D1309	09/B20	ASTM D4017	09/C40
ASTM D1310	09/A15	ASTM D4060	09/B37
ASTM D1353	09/C11	ASTM D4061	09/A24
ASTM D1360	09/B21	ASTM D4062	09/B38
ASTM D1364	09/C12	ASTM D4212	09/A25
ASTM D1394	09/C13	ASTM D4213	09/B39
ASTM D1397	09/C14	ASTM D4214	09/B40
ASTM D1398	09/C15	ASTM E308	09/A27
ASTM D1399	09/C16	ASTM E313	09/A28
ASTM D1400	09/A16	ASTM E97	09/A26
ASTM D1467	09/C17	ASTM G23	09/D14
ASTM D1469	09/C18	ASTM G26	09/D15
ASTM D1475	09/A17	ASTM G53	09/D16

Fed. Std. 141 Method 4061	09/B42
Fed. Std. 141 Method 4494	09/B41

PAPER AND RELATED PRODUCTS

Paper and Paperboard

Listing by NVLAP Code			Listing by Designation		
09/E01	TAPPI T208-OS		TAPPI T208-OS		09/E01
09/E02	TAPPI T402-OM	ASTM D685	TAPPI T402-OM	ASTM D685	09/E02
09/E03	TAPPI T403-OS	ASTM D774	TAPPI T403-OS	ASTM D774	09/E03
09/E04	TAPPI T404-OM	ASTM D828	TAPPI T404-OM	ASTM D828	09/E04
09/E05	TAPPI T410-OM		TAPPI T410-OM		09/E05
09/E06	TAPPI T411-OM		TAPPI T411-OM		09/E06
09/E07	TAPPI T412-OM	ASTM D644	TAPPI T412-OM	ASTM D644	09/E07
09/E08	TAPPI T414-OM	ASTM D689	TAPPI T414-OM	ASTM D689	09/E08
09/E09	TAPPI T425-OM		TAPPI T425-OM		09/E09
09/E10	TAPPI T435-OM		TAPPI T435-OM		09/E10
09/E11	TAPPI T452-OM		TAPPI T452-OM		09/E11
09/E12	TAPPI T459-OM	ASTM D2482	TAPPI T459-OM	ASTM D2482	09/E12
09/E13	TAPPI T460-OM	ASTM D726	TAPPI T460-OM	ASTM D726	09/E13
09/E14	TAPPI T480-OM		TAPPI T480-OM		09/E14
09/E15	TAPPI T480-OS		TAPPI T480-OS		09/E15
09/E16	TAPPI T489-OS		TAPPI T489-OS		09/E16
09/E17	TAPPI T494-OM		TAPPI T494-OM		09/E17
09/E18	TAPPI T511-OM	ASTM D2176	TAPPI T511-OM	ASTM D2176	09/E18
09/E19	TAPPI T538-PM		TAPPI T538-PM		09/E19
09/E20	TAPPI T809-OM		TAPPI T809-OM		09/E20
09/E21	TAPPI T818-OM	ASTM D1164	TAPPI T818-OM	ASTM D1164	09/E21

Paper Specifications

09/F01 ASTM D3208 para. 11

09/F02 ASTM D3290 para. 11.2

Pressure Sensitive Tapes

Listing by NVLAP Code		Listing by Designation	
09/G01	ASTM D3330, D3330M	ASTM D3330, D3330M	09/G01
09/G02	ASTM D3652	ASTM D3652	09/G02
09/G03	ASTM D3654, D3654M	ASTM D3654, D3654M	09/G03
09/G04	ASTM D3662	ASTM D3662	09/G04
09/G05	ASTM D3759	ASTM D3759	09/G05
09/G06	ASTM D3811	ASTM D3811	09/G06
09/G07	ASTM D3815	ASTM D3815	09/G07

Packaging

09/H01 ASTM D642

09/H02 ASTM D895

09/H03 ASTM D1108

Federal Test Method Standard 101C for Preservation, Packaging, and Packaging Materials

Listing by NVLAP Code		Listing by Designation	
09/H04	Method 4035	Method 4035	09/H04
09/H05	Method 4047	Method 4047	09/H05
09/H06	Method 5001	Method 5001	09/H06
09/H07	Method 5005.1	Method 5005.1	09/H07
09/H08	Method 5007.1	Method 5007.1	09/H08
09/H09	Method 5008.1	Method 5008.1	09/H09
09/H10	Method 5009.2	Method 5009.2	09/H10
09/H11	Method 5011.1	Method 5011.1	09/H11
09/H12	Method 5012	Method 5012	09/H12
09/H13	Method 5013	Method 5013	09/H13
09/H14	Method 5014	Method 5014	09/H14
09/H15	Method 5015	Method 5015	09/H15
09/H16	Method 5016.1	Method 5016.1	09/H16
09/H17	Method 5017	Method 5017	09/H17
09/H18	Method 5018	Method 5018	09/H18
09/H19	Method 5019.1	Method 5019.1	09/H19
09/H20	Method 5020.1	Method 5020.1	09/H20
09/H21	Method 5023	Method 5023	09/H21
09/H22	Method 5026	Method 5026	09/H22

COMMERCIAL PRODUCTS LAP CONTINUED

MATTRESSES

09/K01	16 CFR Part 1632 Sec. 1632.4	09/K04	CCC- C-436D Sec. 4.4
09/K02	MIL-R-0020092J(SH) Sec. 4.4	09/K05	V-M-96H Sec. 4.4.1.1 & Sec 4.5
09/K03	MIL-M-18251F Sec. 4.5.1	09/K06	AH&MA/NABM

DOSIMETRY LAP

ANSI N13.11-1983 Radiation Test Categories:

I., II., III., IV., V., VI., VII., VIII.

ELECTROMAGNETICS LAP

12/C01 FCC Methods

12/R01 FCC Methods

12/T01 FCC Part 68

12/T02 FCC Part 68

SEALS AND SEALANTS LAP

Listing by NVLAP Code		Listing by Designation	
13/001	ASTM C-510	ASTM C-510	13/001
13/002	ASTM C-603	ASTM C-603	13/002
13/003	ASTM C-639	ASTM C-639	13/003
13/004	ASTM C-661	ASTM C-661	13/004
13/005	ASTM C-679	ASTM C-679	13/005
13/006	ASTM C-681	ASTM C-681	13/006
13/007	ASTM C-711	ASTM C-711	13/007
13/008	ASTM C-712	ASTM C-712	13/008
13/009	ASTM C-713	ASTM C-713	13/009
13/010	ASTM C-718	ASTM C-718	13/010
13/011	ASTM C-719	ASTM C-719	13/011
13/012	ASTM C-731	ASTM C-731	13/012
13/013	ASTM C-732	ASTM C-732	13/013
13/014	ASTM C-733	ASTM C-733	13/014
13/015	ASTM C-734	ASTM C-734	13/015
13/016	ASTM C-736	ASTM C-736	13/016
13/017	ASTM C-741	ASTM C-741	13/017
13/018	ASTM C-742	ASTM C-742	13/018
13/019	ASTM C-792	ASTM C-792	13/019
13/020	ASTM C-793	ASTM C-793	13/020
13/021	ASTM C-794	ASTM C-794	13/021
13/022	ASTM C-910	ASTM C-910	13/022
13/023	ASTM D-2202	ASTM D-2202	13/023
13/024	ASTM D-2203	ASTM D-2203	13/024
13/025	ASTM D-2376	ASTM D-2376	13/025
13/026	ASTM D-2377	ASTM D-2377	13/026
13/027	ASTM D-2450	ASTM D-2450	13/027
13/028	ASTM D-2451	ASTM D-2451	13/028
13/029	ASTM D-2452	ASTM D-2452	13/029
13/030	ASTM D-2453	ASTM D-2453	13/030

INDEX E. Summary of Accredited Laboratories by Test Method and LAP

INSULATION LAP - 01

NVLAP Test Method Code Number

NVLAP Lab Code	C 01	C 02	C 03	D 01	D 02	D 03	D 04	D 05	D 06	D 07	D 08	D 09	D 10	D 11	D 12	D 13	D 14	D 15	D 16	D 17	D 18	D 19	D 20	D 21	D 22	D 23	D 24	D 25	D 26	D 27	D 28	D 29
0101		o	o	o	o						o	o			o													o	o			
0102																																
0103																o			o		o					o						
0104				o									o																				
0105																																
0106		o																										o	o			
0107		o														o										o	o					
0109	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o		o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
0111						o	o	o	o	o	o		o								o	o										
0113																																
0115		o																								o	o					
0116	o	o		o	o	o	o	o	o		o	o			o	o			o							o	o	o				
0117														o														o				
0120		o																								o	o					
0121																																
0123				o		o	o	o	o		o	o	o	o	o																	
0124				o								o																				
0125				o																												
0126				o								o																				
0127				o								o																				
0128				o																												
0129				o								o																				
0130				o								o																				
0142											o																					
0151																																
0175																			o										o			
0188																																
0210														o	o	o	o		o		o	o							o	o			
0216																																
0218																o			o									o				
0226																																
0248				o							o	o	o	o	o																	
0250												o				o																
0251		o																									o					
0258																																
0260																																
0261									o			o							o									o		o		

NVLAP Lab Code	C 01	C 02	C 03	D 01	D 02	D 03	D 04	D 05	D 06	D 07	D 08	D 09	D 10	D 11	D 12	D 13	D 14	D 15	D 16	D 17	D 18	D 19	D 20	D 21	D 22	D 23	D 24	D 25	D 26	D 27	D 28	D 29

continued next page

INSULATION LAP - 01 (continued)

NVLAP Test Method Code Number

NVLAP Lab Code	F001	F002	F005	F006	F007	F008	S001	S002	S003	S004	S005	S006	S007	S008	S009	S010	S011	S012	S013	S014	T001	T004	T005	T006	T009	T010	V002	V003	V004	V005	V006
0101	o		o		o	o	o						o	o		o		o			o	o	o	o	o	o			o		
0102																						o		o							
0103								o				o					o							o					o		
0104																								o	o	o					
0105		o			o																			o							
0106		o			o																								o		
0107						o																							o	o	o
0109	o	o	o		o	o	o	o	o	o	o	o	o	o	o	o	o					o	o	o	o	o	o	o	o	o	o
0111		o						o	o	o	o	o					o					o	o	o	o				o		
0113																						o	o	o	o						
0115		o			o	o																									
0116		o		o	o	o		o	o	o	o	o		o			o							o	o	o	o	o		o	o
0117		o			o	o																									
0120					o	o																		o							
0121																						o	o	o							
0123	o	o	o				o	o	o	o	o	o		o	o	o						o	o	o	o	o	o		o		
0124																								o							
0125																								o							
0126																								o							
0127																								o							
0128																								o							
0129																								o							
0130																								o							
0142			o																			o	o								
0151		o			o																										
0175																								o							
0188																							o								
0210																	o							o					o		
0216																								o							
0218																	o							o							
0226																							o								
0248								o														o		o	o	o	o				
0250																							o		o						
0251					o	o																			o						
0258																									o						
0260									o								o								o						
0261								o	o						o	o	o								o				o		

CONCRETE LAP - 02

NVLAP Lab Code	NVLAP Test Method Code Number G 01	G 02	A 02
0131		o	o
0133	o		o
0135		o	o
0136		o	
0137		o	o
0141		o	o
0143		o	o
0146		o	o
0154		o	o
0176		o	o
0177		o	o
0183		o	o
0188		o	o
0191		o	o
0192		o	o
0195		o	o
0196		o	o
0201		o	o
0203		o	o
0206		o	o
0208		o	o
0215		o	o
0230		o	o
0232		o	o
0233		o	B
0237		o	o
0241		o	o
0257		o	o
	G 01	G 02	A 02

CARPET LAP - 03

NVLAP Lab Code	NVLAP Test Method Code Number											
	C 0 1	C 0 2	D 0 1	D 0 2	S 0 1	E 0 1	F 0 1	F 0 2	F 0 3	F 0 4	B 0 1	B 0 2
0106	o	o					o		o	o		
0108	o	o	o	o	o	o			o	o		o
0114							o		o	o		
0115							o			o		
0120	o	o	o	o	o		o		o	o		o
0139	o	o	o	o	o				o	o		o
0149	o	o	o	o	o				o			
0151							o			o		
0156	o	o	o	o	o				o		o	
0160	o	o	o	o	o				o			
0163	o	o	o	o	o				o			o
0166	o	o	o	o	o	o			o	o		o
0178	o	o	o	o	o	o			o	o	o	
0190	o	o	o	o	o				o			
0193	o	o	o	o	o				o			
0197	o	o	o	o	o				o			
0220					o				o	o		
0221	o	o	o	o	o				o	o		
0243									o			
0247		o			o				o			
0255									o	o		
	C 0 1	C 0 2	D 0 1	D 0 2	S 0 1	E 0 1	F 0 1	F 0 2	F 0 3	F 0 4	B 0 1	B 0 2

STOVE LAP - 04

NVLAP Test Method Code Number

NVLAP Lab Code	EE 05 11	EE 06 12	EE 07 13	EE 08 14	EE 09 15	EE 10 16	EE 11 17	EE 12 18	EE 13 19	EE 14 20	EE 15 21	EF 16 22	EF 17 23	FF 18 24	FF 19 25	FF 20 26	FF 21 27	FF 22 28
0116	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
0117	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
0223	o	o	o	o	o	o	o	o					o	o	o	o	o	o
0225	o	o	o	o	o	o	o	o					o	o	o	o	o	o
0235	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
0240	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
0244	o	o	o	o	o	o	o	o					o	o	o	o	o	o
0245	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
0246	o	o	o	o	o	o	o	o					o	o	o	o	o	o
0249	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
0264	o	o	o	o	o	o	o	o					o	o	o	o	o	o
	EE 05 11	EE 06 12	EE 07 13	EE 08 14	EE 09 15	EE 10 16	EE 11 17	EE 12 18	EE 13 19	EE 14 20	EE 15 21	EF 16 22	EF 17 23	FF 18 24	FF 19 25	FF 20 26	FF 21 27	FF 22 28

NVLAP Test Method Code Number

NVLAP Lab Code	FF 01 09	FF 02 10	FF 03 11	FF 04 12	FF 05 13	FF 06 14	FF 07 15	FF 08 16	FF 09 17	FF 10 18	MM 01 19	MM 02 20	MM 03 21	MM 04 22	MM 05 23	MG 06 24	GG 01 25	GG 02 26	GG 03 27
0116	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o			
0117	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o			
0223	o	o									o	o	o						
0225	o	o									o	o	o						
0235	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o			
0240	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o			
0244	o	o									o	o	o						
0245	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o			
0246	o	o									o	o	o						
0249	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	
0264	o	o															o	o	o
	FF 01 09	FF 02 10	FF 03 11	FF 04 12	FF 05 13	FF 06 14	FF 07 15	FF 08 16	FF 09 17	FF 10 18	MM 01 19	MM 02 20	MM 03 21	MM 04 22	MM 05 23	MG 06 24	GG 01 25	GG 02 26	GG 03 27

ACOUSTICS LAP - 08

NVLAP Test Method Code Number

NVLAP Lab Code	P 01	P 02	P 03	P 04	P 05	P 06	P 07	P 08	P 09	P 10	P 11	P 12	P 13	P 14	P 15	P 16	P 17	P 18	P 19	P 20	P 21	P 22	P 23
0109	o		o	o	o	o				o			o										
0111		o	o			o																	
0123		o	o	o		o																	
0227			o		o	o	o			o								o					
0228			o				o																
0229			o			o																	
0239			o			o																	
0256			o			o																	

NVLAP Test Method Code Number

NVLAP Lab Code	E 01	E 02	E 03	E 04	E 05	E 06	E 07	E 08	E 09	E 10	E 11	E 12	E 13	E 14	E 15	E 16	E 17	E 18	E 19	E 20	E 21	E 22	E 23	E 24	E 25	E 26
0109																				o						
0111																				o						
0123																										
0227	o																									
0228																										
0229																				o						
0239																										
0256																										

COMMERCIAL PRODUCTS LAP - 09

PAINTS AND RELATED COATINGS AND MATERIALS

NVLAP Test Method Code Number

NVLAP Lab Code	A 0 1 2	A 0 1 3	A 0 1 4	A 0 1 5	A 0 1 6	A 0 1 7	A 0 1 8	A 0 1 9	A 0 2 0	A 1 1 2	A 1 1 3	A 1 1 4	A 1 1 5	A 1 1 6	A 1 2 1	A 1 2 2	A 1 2 3	A 1 2 4	A 1 2 5	A 1 2 6	A 1 2 7	A 1 2 8	A 1 2 9
0252	o	o	o	o	o		o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	
0263			o	o		o		o		o	o				o	o	o	o	o		o		o
0266	o	o	o	o	o		o	o		o	o	o		o	o				o	o			

NVLAP Test Method Code Number

NVLAP Lab Code	B 0 1 2	B 0 1 3	B 0 1 4	B 0 1 5	B 0 1 6	B 0 1 7	B 0 1 8	B 0 1 9	B 0 2 0	B 1 1 2	B 1 1 3	B 1 1 4	B 1 1 5	B 1 1 6	B 1 2 1	B 1 2 2	B 1 2 3	B 1 2 4	B 1 2 5	B 1 2 6	B 1 2 7	B 1 2 8	B 1 2 9	B 1 3 0	B 1 3 1	B 1 3 2	B 1 3 3	B 1 3 4	B 1 3 5	B 1 3 6	B 1 3 7	B 1 3 8	B 1 3 9	B 1 4 0	B 1 4 1	B 1 4 2
0252	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o		o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
0263				o	o	o	o		o	o		o	o		o	o	o		o		o	o	o		o			o	o	o	o		o	o	o
0266			o	o	o	o	o		o	o	o		o		o			o		o	o		o	o			o			o	o		o	o	o

NVLAP Test Method Code Number

NVLAP Lab Code	C 0 1 2	C 0 1 3	C 0 1 4	C 0 1 5	C 0 1 6	C 0 1 7	C 0 1 8	C 0 1 9	C 0 2 0	C 1 1 2	C 1 1 3	C 1 1 4	C 1 1 5	C 1 1 6	C 1 2 1	C 1 2 2	C 1 2 3	C 1 2 4	C 1 2 5	C 1 2 6	C 1 2 7	C 1 2 8	C 1 2 9	C 1 3 0	C 1 3 1	C 1 3 2	C 1 3 3	C 1 3 4	C 1 3 5	C 1 3 6	C 1 3 7	C 1 3 8	C 1 3 9	C 1 4 0
0252		o			o	o	o	o		o	o						o			o	o	o	o	o				o		o	o			
0263		o		o		o	o		o			o	o			o			o		o	o		o	o		o	o				o			
0266		o			o			o		o	o			o				o	o	o	o	o	o	o				o					o	o	o	o

NVLAP Test Method Code Number

NVLAP Lab Code	D 0 1 2	D 0 1 3	D 0 1 4	D 0 1 5	D 0 1 6	D 0 1 7	D 0 1 8	D 0 1 9	D 0 2 0	D 1 1 2	D 1 1 3	D 1 1 4	D 1 1 5	D 1 1 6
0252	o	o	o	o	o	o	o		o	o		o	o	o
0263	o					o			o	o				o
0266	o	o		o			o	o		o		o		o

continued on next page

COMMERCIAL PRODUCTS LAP - 09 (continued)

PAPER AND RELATED PRODUCTS

NVLAP Test Method Code Number

NVLAP Lab Code	E 0 1 2 3 4 5	E 0 1 6 7 8 9 0	E 1 1 1 2 3 4 5	E 1 1 6 7 8 9 0 1
0259	o o o	o o o o	o o	o o o o

NVLAP Test Method Code Number

NVLAP Lab Code	H 0 1 2 3 4 5	H 0 1 6 7 8 9 0	H 1 1 1 2 3 4 5	H 1 1 6 7 8 9 0	H 2 2 1 2 3 4 5	H 2 2 6 7 8 9 0
0259	o				o o o	o o o o o

DOSIMETRY LAP - 05

NVLAP Lab Code	ANSI N13.11 Categories (see note)							
	I	II	III	IV	V	VI	VII	VIII
0501	o	o	o	o	o	o	o	o
0502		o				o	o	o
0503							o	
0504		o	o	o	o	o	o	o
0505		o		o	o		o	
0506	o	o	o	o	o	o	o	
0507		o		o				
0508	o	o	o	o	o	o	o	
0509		o	o	o		o		o
0510	o	o	o	o	o	o	o	o
0511		o		o		o	o	
0512	o	o	o	o	o	o	o	o
0514	o	o	o	o	o	o	o	o
0515	o	o	o	o	o	o	o	o
0516	o	o	o	o	o	o	o	o
0517	o	o	o	o	o	o	o	o
0518	o	o	o	o	o	o	o	o
0519				o				
0520		o		o	o		o	
0521	o	o	o	o	o	o	o	
0522		o		o	o		o	o
0523		o		o	o		o	
0524	o	o	o	o	o	o	o	o
0525		o		o	o		o	o
0526		o		o	o		o	o
0528	o	o	o	o	o	o	o	o
0529			o	o	o	o	o	o
0530	o	o	o	o	o	o	o	o
0531	o	o	o	o	o	o	o	o
0532	o	o	o	o	o	o	o	o
0533	o	o	o	o	o	o	o	o
0534	o	o	o	o	o	o	o	o
0536	o	o	o	o	o	o	o	o
0537		o	o	o	o	o	o	o
0539	o	o	o	o	o	o	o	o

NOTE: Processors may be accredited for more than one dosimeter type. See the Scope of Accreditation for each processor in the last section of the Directory for details.

SEALANTS

NVLAP Test Method Code Number

NVLAP Lab Code	00001	00002	00003	00004	00005	00006	00007	00008	00009	00010	00011	00012	00013	00014	00015	00016	00017	00018	00019	00020
0252	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o

Index F. Accredited Laboratories and Test Methods for Which They are Accredited

NVLAP LAB CODE 0101

CERTAINTEED CORPORATION
INSULATION GROUP, R & D LABORATORY
1400 Union Meeting Road, Blue Bell, PA 19422
Dr. W. Francis Olix Phone: 215-341-6713

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
01/C02	HH-I-515 (para. 4.8.5 in D version, Amendment 1)	Corrosiveness; Cellulosic fiber (loose-fill)
01/C03	California Energy Commission tests for insulating materials: Corrosiveness - Mineral fiber blankets and loose-fill	
01/D01	ASTM C136	Sieve or screen analysis
01/D02	ASTM C167	Thickness and density; Blanket and batt
01/D08	ASTM C302	Density; Preformed pipe insulation
01/D09	ASTM C303	Density; Preformed block insulation
01/D13	ASTM C519	Density; Loose-fill (fibrous)
01/D25	HH-I-515 (para. 4.8.3 in D version, Amendment 1)	Moisture absorption; Cellulosic fiber (loose-fill)
01/D26	HH-I-515 (para. 4.8.1 in D version, Amendment 1)	Settled density; Cellulosic fiber (loose-fill)
01/F01	TAPPI T461	Flame Resistance; Paper and paperboard
01/F05	ASTM E136	Behavior of Materials in a Vertical Tube Furnace
01/F07	HH-I-515 (para. 4.8.7 in D version, Amendment 1)	Critical radiant flux; Radiant Panel (cellulosic fiber, loose-fill)
01/F08	HH-I-515 (para. 4.8.8 in D version, Amendment 1)	Smoldering combustion; Cellulosic fiber (loose-fill)
01/S01	ASTM C165	Compressive properties; Thermal insulation (proc. A)
01/S08	ASTM C446	Breaking load/modulus of rupture; Preformed pipe insulation
01/S09	ASTM D781	Puncture test; Paperboard and fiberboard
01/S10	ASTM D828	Tensile breaking strength; Paper and paperboard
01/S12	California Energy Commission tests for insulating materials: Bond strength - Spray applied cellulose	
01/T01	ASTM C177	Thermal transmission properties; Low-temperature guarded hot plate
01/T04	ASTM C236	Thermal conductance; Guarded hot box
01/T05	ASTM C335	Thermal conductivity; Pipe insulation
01/T06	ASTM C518	Thermal transmission properties; Heat flow meter
01/T09	ASTM C653	Thermal resistance (Rec. Practice); Blanket (mineral fiber)
01/T10	ASTM C687	Thermal resistance (Rec. Practice); Loose-fill (fibrous)
01/V04	ASTM E96	Water vapor transmission; Thin sheets (proc. A)

NVLAP LAB CODE 0102

BUTLER MANUFACTURING COMPANY
RESEARCH CENTER
135th Street and Botts Road, Grandview, MO 64030
Marvin K. Snyder Phone: 816-763-3022

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
01/T04	ASTM C236	Thermal conductance; Guarded hot box
01/T06	ASTM C518	Thermal transmission properties; Heat flow meter

NVLAP LAB CODE 0103

DOW CHEMICAL USA, FOAM PRODUCTS RESEARCH
PRODUCT EVALUATION GROUP
P.O. Box 515, Granville, OH 43023
Mike J. Ennis Phone: 614-587-4215

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
01/D18	ASTM D1622	Apparent density; Rigid cellular plastics
01/D21	ASTM D2126	Response to thermal and humid aging (proc. E); Rigid cellular plastics
01/D23	ASTM D2842	Water absorption; Rigid cellular plastics
01/D27	ASTM D2126	Response to thermal and humid aging (proc. C); Rigid cellular plastics
01/S02	ASTM C203	Breaking load/flexural strength; Preformed block insulation
01/S07	ASTM C273	Shear test; Sandwich construction
01/S11	ASTM D1621	Compressive properties; Rigid cellular plastics (proc. A-Crosshead)
01/T06	ASTM C518	Thermal transmission properties; Heat flow meter
01/V04	ASTM E96	Water vapor transmission; Thin sheets (proc. A)

NVLAP LAB CODE 0104

NAHB RESEARCH FOUNDATION, INC.
P.O. Box 1627, Rockville, MD 20850
Hugh Angleton Phone: 301-762-4200

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
01/D02	ASTM C167	Thickness and density; Blanket and batt
01/D13	ASTM C519	Density; Loose-fill (fibrous)
01/T06	ASTM C518	Thermal transmission properties; Heat flow meter
01/T09	ASTM C653	Thermal resistance (Rec. Practice); Blanket (mineral fiber)
01/T10	ASTM C687	Thermal resistance (Rec. Practice); Loose-fill (fibrous)

NVLAP LAB CODE 0105

UNITED STATES TESTING COMPANY, INC.
ENGINEERING SERVICES DIVISION
291 Fairfield Avenue, Fairfield, NJ 07006
Carl B. Yoder Phone: 201-575-5252

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
01/F02	ASTM E84	Surface burning characteristics; Building materials
01/F07	HH-I-515	Critical radiant flux;
(para.	4.8.7 in D version, Amendment 1)	Radiant Panel (cellulosic fiber, loose-fill)
01/T06	ASTM C518	Thermal transmission properties; Heat flow meter

NVLAP LAB CODE 0106

UNITED STATES TESTING COMPANY, INC.
CALIFORNIA DIVISION
5555 Telegraph Road, Los Angeles, CA 90040
Bernd Givon Phone: 213-723-7181

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
01/C02	HH-I-515	Corrosiveness; Cellulosic
(para.	4.8.5 in D version, Amendment 1)	fiber (loose-fill)
01/D27	ASTM D2126	Response to thermal and humid aging (proc. C); Rigid cellular plastics
01/D28	ASTM D2126	Response to thermal and humid aging (proc. G); Rigid cellular plastics
01/F02	ASTM E84	Surface burning characteristics; Building materials
01/F07	HH-I-515	Critical radiant flux;
(para.	4.8.7 in D version, Amendment 1)	Radiant Panel (cellulosic fiber, loose-fill)
01/V04	ASTM E96	Water vapor transmission; Thin sheets (proc. A)
03/C01	AATCC 16E	Colorfastness to Light (Xenon Arc)
03/D01	ASTM D418	Pile Yarn Floor Covering Construction
		Pile Weight - Uncoated (Section 8)
		Pile Weight - Coated (Section 9)
		Pile Thickness - (Sections 10 & 11)
		Tuft Height - (Section 13)
03/F01	ASTM E84	Surface Flammability
03/F03	16 CFR Part 1630 (FF 1-70)	Surface Flammability
	Sec. 1630.4	Test Procedure
03/F04	ASTM E648	Radiant Panel (Carpet)

NVLAP LAB CODE 0107

UNITED STATES TESTING COMPANY, INC.
TULSA DIVISION
1341 North 108th East Avenue, Tulsa, OK 74116
Fred D. Wampnar Phone: 918-437-8333

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
01/C02	HH-I-515 (para. 4.8.5 in D version, Amendment 1)	Corrosiveness; Cellulosic fiber (loose-fill)
01/D18	ASTM D1622	Apparent density; Rigid cellular plastics
01/D25	HH-I-515 (para. 4.8.3 in D version, Amendment 1)	Moisture absorption; Cellulosic fiber (loose-fill)
01/D26	HH-I-515 (para. 4.8.1 in D version, Amendment 1)	Settled density; Cellulosic fiber (loose-fill)
01/F08	HH-I-515 (para. 4.8.8 in D version, Amendment 1)	Smoldering combustion; Cellulosic fiber (loose-fill)
01/V04	ASTM E96	Water vapor transmission; Thin sheets (proc. A)
01/V05	HH-I-515 (para. 4.8.6 in D version, Amendment 1)	Fungus; Cellulosic fiber (loose-fill)
01/V06	HH-I-515 (para. 4.8.9 in D version, Amendment 1)	Starch; Cellulosic fiber (loose-fill)

NVLAP LAB CODE **0108**

CERTIFIED TESTING LABORATORIES, INC.
1105 Riverbend Drive, P.O. Box 2041, Dalton, GA 30720
John H. Frank Phone: 404-226-1400

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
03/C01	AATCC 16E	Colorfastness to Light (Xenon Arc)
03/C02	AATCC 8	Colorfastness to Crocking
03/D01	ASTM D418	Pile Yarn Floor Covering Construction Pile Weight - Uncoated (Section 8) Pile Weight - Coated (Section 9) Pile Thickness - (Sections 10 & 11) Tuft Height - (Section 13)
03/D02	DDD-C-95A	Shrinkage
03/S01	ASTM D1335	Tuft Bind of Floor Coverings
	Federal Test Method Standard 191-5100	Textile Test Method - Breaking Strength
	191-5950	Textile Test Method - Delamination
03/E01	AATCC 134/CRI 102	Electrostatic Propensity of Carpets
03/F03	16 CFR Part 1630 (FF 1-70)	Surface Flammability
	Sec. 1630.4	Test Procedure
03/F04	ASTM E648	Radiant Panel (Carpet)
03/B02	UM 44C Addenda 2 and 3	Attached Cushion Tests

OWENS-CORNING FIBERGLAS CORPORATION
TECHNICAL CENTER LABORATORY
P.O. Box 415, Route 16, Granville, OH 43023
William M. Edmunds Phone: 614-587-7024--For Insulation LAP
Ron Moulder Phone: 614-587-7066--For Acoustics LAP

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
01/C01	ASTM C739 (para. 10.7 in 80 version)	Corrosiveness; Cellulosic fiber (loose-fill)
01/C02	HH-I-515 (para. 4.8.5 in D version, Amendment 1)	Corrosiveness; Cellulosic fiber (loose-fill)
01/C03	California Energy Commission tests for insulating materials: Corrosiveness - Mineral fiber blankets and loose-fill	
01/D01	ASTM C136	Sieve or screen analysis
01/D02	ASTM C167	Thickness and density; Blanket and batt
01/D03	ASTM C209 (para. 6 in 72 version)	Thickness; Board (cellulosic fiber)
01/D04	ASTM C209	Water absorption, 2 hour;
01/D05	ASTM C209 (para. 13 in 72 version) by D1037 (para. 100-106 in 78 version)	Water absorption, 24 hour; Board (cellulosic fiber)
01/D06	ASTM C209 (para. 14 in 72 version) by D1037 (para. 107-110 in 72 version)	Linear expansion; Board (cellulosic fiber)
01/D07	ASTM C272	Density; Preformed block insulation
01/D08	ASTM C302	Density; Preformed pipe insulation
01/D09	ASTM C303	Density; Preformed block insulation
01/D11	ASTM C356	Linear shrinkage; Soaking heat; Preformed high temperature insulation
01/D12	ASTM C411	Hot-surface performance; High temperature insulation
01/D13	ASTM C519	Density; Loose-fill (fibrous)
01/D15	ASTM D756	Weight and shape changes; Accelerated service (proc. A); Plastics
01/D16	ASTM D756	Weight and shape changes; Accelerated service (proc. B); Plastics
01/D17	ASTM D756	Weight and shape changes; Accelerated service (proc. E); Plastics
01/D18	ASTM D1622	Apparent density; Rigid cellular plastics
01/D19	ASTM D2126	Response to thermal and humid aging (proc. B); Rigid cellular plastics
01/D20	ASTM D2126	Response to thermal and humid aging (proc. D); Rigid cellular plastics
01/D21	ASTM D2126	Response to thermal and humid aging (proc. E); Rigid cellular plastics
01/D22	ASTM D2126	Response to thermal and humid aging (proc. F); Rigid cellular plastics
01/D23	ASTM D2842	Water absorption; Rigid cellular plastics
01/D24	ASTM C739 (para. 10.5 in 80 version)	Moisture absorption; Cellulosic fiber (loose-fill)
01/D25	HH-I-515 (para. 4.8.3 in D version, Amendment 1)	Moisture absorption; Cellulosic fiber (loose-fill)
01/D26	HH-I-515 (para. 4.8.1 in D version, Amendment 1)	Settled density; Cellulosic fiber (loose-fill)
01/D27	ASTM D2126	Response to thermal and humid aging (proc. C); Rigid cellular plastics
01/D28	ASTM D2126	Response to thermal and humid aging (proc. G); Rigid cellular plastics

01/D29	California Energy Commission tests for insulating materials: Installed compressed thickness	
01/F01	TAPPI T461	Flame Resistance; Paper and paperboard
01/F02	ASTM E84	Surface burning characteristics; Building materials
01/F05	ASTM E136	Behavior of Materials in a Vertical Tube Furnace
01/F07 (para. 4.8.7 in D version, Amendment 1)	HH-I-515	Critical radiant flux; Radiant Panel (cellulosic fiber, loose-fill)
01/F08 (para. 4.8.8 in D version, Amendment 1)	HH-I-515	Smoldering combustion; Cellulosic fiber (loose-fill)
01/S01	ASTM C165	Compressive properties; Thermal insulation (proc. A)
01/S02	ASTM C203	Breaking load/flexural strength; Preformed block insulation
01/S03 (para. 9 in 72 version)	ASTM C209	Transverse strength; Board (cellulosic fiber)
01/S04 (para. 10 in 72 version)	ASTM C209	Deflection at specified load; Board (cellulosic fiber)
01/S05 (para. 11 in 72 version)	ASTM C209	Tensile strength; Parallel to surface; Board (cellulosic fiber)
01/S06 (para. 12 in 72 version)	ASTM C209	Tensile stren-th; Perpendicular to surface
01/S07	ASTM C273	Shear test; Sandwich construction
01/S08	ASTM C446	Breaking load/modulus of rupture; Preformed pipe insulation
01/S09	ASTM D781	Puncture test; Paperboard and fiberboard
01/S10	ASTM D828	Tensile breaking strength; Paper and paperboard
01/S11	ASTM D1621	Compressive properties; Rigid cellular plastics (proc. A-Crosshead)
01/T01	ASTM C177	Thermal transmission properties; Low-temperature guarded hot plate
01/T04	ASTM C236	Thermal conductance; Guarded hot box
01/T05	ASTM C335	Thermal conductivity; Pipe insulation
01/T06	ASTM C518	Thermal transmission properties; Heat flow meter
01/T09	ASTM C653	Thermal resistance (Rec. Practice); Blanket (mineral fiber)
01/T10	ASTM C687	Thermal resistance (Rec. Practice); Loose-fill (fibrous)
01/V02	TAPPI T419	Starch in paper; Qualitative test
01/V03	ASTM D2020	Mildew (fungus) resistance; Paper and paperboard
01/V04	ASTM E96	Water vapor transmission; Thin sheets (proc. A)
01/V05 (para. 4.8.6 in D version, Amendment 1)	HH-I-515	Fungus; Cellulosic fiber (loose-fill)
01/V06 (para. 4.8.9 in D version, Amendment 1)	HH-I-515	Starch; Cellulosic fiber (loose-fill)
08/P01	ASTM C367-78	Strength Properties, Prefabricated Architectural Acoustical Materials
08/P03	ASTM C423-84a	Sound Absorption and Sound Absorption Coefficients
08/P04	ASTM C522-80	Airflow Resistance of Acoustical Materials
08/P05	ASTM C523-68 (81)	Light Reflectance of Acoustical Materials
08/P06	ASTM E90-83	Airborne Sound Transmission Loss of Building Partitions
08/P10	ANSI S1.31-80	Sound Power Levels, Broad-Band Noise Sources in Reverberation Rooms (100-10,000 Hz)

08/P13	ANSI S1.32-80	Sound Power Levels, Discrete- Frequency and Narrow-Band Noise Sources in Reverberation Rooms (100-10,000 Hz)
08/E21	AMA-1-II-67	Ceiling Sound Transmission Test by Two-Room Method

NVLAP LAB CODE 0111

JIM WALTER RESEARCH CORPORATION
10301 9th Street North, St. Petersburg, FL 33702
John E. Sheridan Phone: 813-576-4171

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
01/D03 (para. 6 in 72 version)	ASTM C209	Thickness; Board (cellulosic fiber)
01/D04	ASTM C209	Water absorption, 2 hour;
01/D05 (para. 13 in 72 version) by D1037 (para. 100-106 in 78 version)	ASTM C209	Water absorption, 24 hour; Board (cellulosic fiber)
01/D06 (para. 14 in 72 version) by D1037 (para. 107-110 in 72 version)	ASTM C209	Linear expansion; Board (cellulosic fiber)
01/D07	ASTM C272	Water absorption; Core materials
01/D09	ASTM C303	Density; Preformed block insulation
01/D20	ASTM D2126	Response to thermal and humid aging (proc. D); Rigid cellular plastics
01/D21	ASTM D2126	Response to thermal and humid aging (proc. E); Rigid cellular plastics
01/F02	ASTM E84	Surface burning characteristics; Building materials
01/S02	ASTM C203	Breaking load/flexural strength; Preformed block insulation
01/S03 (para. 9 in 72 version)	ASTM C209	Transverse strength; Board (cellulosic fiber)
01/S04 (para. 10 in 72 version)	ASTM C209	Deflection at specified load; Board (cellulosic fiber)
01/S05 (para. 11 in 72 version)	ASTM C209	Tensile strength; Parallel to surface; Board (cellulosic fiber)
01/S06 (para. 12 in 72 version)	ASTM C209	Tensile strength; Perpendicular to surface
01/S11	ASTM D1621	Compressive properties; Rigid cellular plastics (proc. A-Crosshead)
01/T01	ASTM C177	Thermal transmission properties; Low-temperature guarded hot plate
01/T04	ASTM C236	Thermal conductance; Guarded hot box
01/T05	ASTM C335	Thermal conductivity; Pipe insulation
01/T06	ASTM C518	Thermal transmission properties; Heat flow meter
01/V04	ASTM E96	Water vapor transmission; Thin sheets (proc. A)
08/P02	ASTM C384-77(84)	Impedance and Absorption of Acoustical Materials
08/P03	ASTM C423-84a	Sound Absorption and Sound Absorption Coefficients
08/P06	ASTM E90-83	Airborne Sound Transmission Loss of Building Partitions
08/E21	AMA-1-II-67	Ceiling Sound Transmission Test by Two-Room Method

NVLAP LAB CODE 0113

DYNATECH R/D COMPANY
THERMOPHYSICS LABORATORY
99 Erie Street, Cambridge, MA 02139
Andre O. Desjarlais Phone: 617-868-8050

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
01/T01	ASTM C177	Thermal transmission properties; Low-temperature guarded hot plate
01/T04	ASTM C236	Thermal conductance; Guarded hot box
01/T05	ASTM C335	Thermal conductivity; Pipe insulation
01/T06	ASTM C518	Thermal transmission properties; Heat flow meter

NVLAP LAB CODE 0114

SOUTHWEST RESEARCH INSTITUTE
DEPARTMENT OF FIRE TECHNOLOGY
6220 Culebra Road, San Antonio, TX 78284
Carl A. Hafer Phone: 512-522-2409

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
03/F01	ASTM E84	Surface Flammability
03/F03	16 CFR Part 1630 (FF 1-70) Sec. 1630.4	Surface Flammability Test Procedure
03/F04	ASTM E648	Radiant Panel (Carpet)

NVLAP LAB CODE 0115

FACTORY MUTUAL RESEARCH CORPORATION
1151 Boston-Providence Turnpike, Norwood, MA 02062
William F. Maroni Phone: 617-762-4300

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
01/C02	HH-I-515 (para. 4.8.5 in D version, Amendment 1)	Corrosiveness; Cellulosic fiber (loose-fill)
01/D25	HH-I-515 (para. 4.8.3 in D version, Amendment 1)	Moisture absorption; Cellulosic fiber (loose-fill)
01/D26	HH-I-515 (para. 4.8.1 in D version, Amendment 1)	Settled density; Cellulosic fiber (loose-fill)
01/F02	ASTM E84	Surface burning characteristics; Building materials
01/F07	HH-I-515 (para. 4.8.7 in D version, Amendment 1)	Critical radiant flux; Radiant Panel (cellulosic fiber, loose-fill)

01/F08	HH-I-515 (para. 4.8.8 in D version, Amendment 1)	Smoldering combustion; Cellulosic fiber (loose-fill)
03/F01	ASTM E84	Surface Flammability
03/F04	ASTM E648	Radiant Panel (Carpet)

NVLAP LAB CODE 0116

UNDERWRITERS LABORATORIES INC.
333 Pfingsten Road, Northbrook, IL 60062
Steve Mazzoni Phone: 312-272-8800

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
01/C01	ASTM C739 (para. 10.7 in 80 version)	Corrosiveness; Cellulosic fiber (loose-fill)
01/C02	HH-I-515 (para. 4.8.5 in D version, Amendment 1)	Corrosiveness; Cellulosic fiber (loose-fill)
01/D01	ASTM C136	Sieve or screen analysis
01/D02	ASTM C167	Thickness and density; Blanket and batt
01/D03	ASTM C209 (para. 6 in 72 version)	Thickness; Board (cellulosic fiber)
01/D04	ASTM C209	Water absorption, 2 hour;
01/D05	ASTM C209 (para. 13 in 72 version) by D1037 (para. 100-106 in 78 version)	Water absorption, 24 hour; Board (cellulosic fiber)
01/D06	ASTM C209 (para. 14 in 72 version) by D1037 (para. 107-110 in 72 version)	Linear expansion; Board (cellulosic fiber)
01/D08	ASTM C302	Density; Preformed pipe insulation
01/D09	ASTM C303	Density; Preformed block insulation
01/D13	ASTM C519	Density; Loose-fill (fibrous)
01/D14	ASTM C520	Density; Granular loose-fill
01/D18	ASTM D1622	Apparent density; Rigid cellular plastics
01/D24	ASTM C739 (para. 10.5 in 80 version)	Moisture absorption; Cellulosic fiber (loose-fill)
01/D25	HH-I-515 (para. 4.8.3 in D version, Amendment 1)	Moisture absorption; Cellulosic fiber (loose-fill)
01/D26	HH-I-515 (para. 4.8.1 in D version, Amendment 1)	Settled density; Cellulosic fiber (loose-fill)
01/F02	ASTM E84	Surface burning characteristics; Building materials
01/F06	ASTM C739 (para. 10.4 in 80 version)	Flame resistance permanency; Cellulosic fiber (loose-fill)
01/F07	HH-I-515 (para. 4.8.7 in D version, Amendment 1)	Critical radiant flux; Radiant Panel (cellulosic fiber, loose-fill)
01/F08	HH-I-515 (para. 4.8.8 in D version, Amendment 1)	Smoldering combustion; Cellulosic fiber (loose-fill)
01/S02	ASTM C203	Breaking load/flexural strength; Preformed block insulation
01/S03	ASTM C209 (para. 9 in 72 version)	Transverse strength; Board (cellulosic fiber)
01/S04	ASTM C209 (para. 10 in 72 version)	Deflection at specified load; Board (cellulosic fiber)
01/S05	ASTM C209 (para. 11 in 72 version)	Tensile strength; Parallel to surface; Board (cellulosic fiber)

01/S06 (para. 12 in 72 version)	ASTM C209	Tensile strength; Perpendicular to surface
01/S08	ASTM C446	Breaking load/modulus of rupture; Preformed pipe insulation
01/S11	ASTM D1621	Compressive properties; Rigid cellular plastics (proc. A-Crosshead)
01/T06	ASTM C518	Thermal transmission properties; Heat flow meter
01/T09	ASTM C653	Thermal resistance (Rec. Practice); Blanket (mineral fiber)
01/T10	ASTM C687	Thermal resistance (Rec. Practice); Loose-fill (fibrous)
01/V02	TAPPI T419	Starch in paper; Qualitative test
01/V03	ASTM D2020	Mildew (fungus) resistance; Paper and paperboard
01/V05 (para. 4.8.6 in D version, Amendment 1)	HH-I-515	Fungus; Cellulosic fiber (loose-fill)
01/V06 (para. 4.8.9 in D version, Amendment 1)	HH-I-515	Starch; Cellulosic fiber (loose-fill)

PHYSICAL/FIRE TEST GROUP (04/F00)

NVLAP Code	Short Title	Section of UL 737 5th Edition (November 9, 1982)	Section of UL 1482 2nd Edition (January 24, 1983)
04/F01	Test Installation	8	8
04/F02	Temperature Measurement	9	9
04/F04	Radiant Fire Test	11	11
04/F05	Coal Fire Test		14
04/F06	Brand Fire Test	12	12
04/F07	Flash Fire Test	13	13
04/F08	Strength Tests	15	16
04/F09	Stability Test	16	16
04/F10	Glazing Test	14	15

NVLAP Code	Short Title	Section of CSA Standard B 366.2-M1984 (ULC s627-M1984) (April, 1984)
04/F11	Test Installation	7.2
04/F12	Temperature Measurement	7.3
04/F14	Radiant Fire Test	7.5
04/F16	Brand Fire Test	7.6
04/F17	Flash Fire Test	7.7
04/F18	Strength Tests	7.12
04/F19	Stability Test	7.10
04/F20	Glazing Test	7.11

MOBILE HOME TEST GROUP (04/M00)

NVLAP Code	Short Title	Section of UL 737 5th Edition (November 9, 1982)	Section of UL 1482 2nd Edition (January 24, 1983)
04/M01	Test Installation	17	17
04/M02	Toxic Gas	17	17
04/M03	Drop Test	17	17

NVLAP Code	Short Title	Section of CSA Standard B 366.2-M1984 (ULC s627-M1984) (April, 1984)
04/M04	Test Installation	12
04/M05	Toxic Gas	12
04/M06	Drop Test	12

ELECTRICAL TEST GROUP (04/E00)

NVLAP Code	Short Title	Section of UL 737 5th Edition (November 9, 1982)	Section of UL 1482 2nd Edition (January 24, 1983)
04/E01	Test Voltages	33	33
04/E02	Temperature Measurements, Electrical Components	34	34
04/E03	Input Test	35	35
04/E04	Temperature Test, Electrical Components	36	36
04/E05	Leakage Current	38	38
04/E06	Dielectric Withstand	37	37
04/E07	Locked Rotor (Stalled Motor) Temperature	39	39
04/E08	Power Cord Strain Relief	40	40

NVLAP Code	Short Title	Section of CSA C 22.2 No. 3 1979	Section of CSA C 22. 2 No. 113 1982
04/E09	Temperat re Measurements, Electrical Components	6.4	6.2
04/E10	Temperature Test, Electrical Components	6.4	6.2
04/E11	Leakage Current	6.8	6.3
04/E12	Dielectric Withstand	6.5	6.3
04/E13	Power Cord Strain Relief	6.9	6.4

NVLAP LAB CODE 0117

UNDERWRITERS LABORATORIES INC.
SANTA CLARA, CALIFORNIA LABORATORY
1655 Scott Boulevard, Santa Clara, CA 95050
Douglas Anderson Phone: 408-985-2400

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
01/D13	ASTM C519	Density; Loose-fill (fibrous)
01/D26	HH-I-515 (para. 4.8.1 in D version, Amendment 1)	Settled density; Cellulosic fiber (loose-fill)
01/F02	ASTM E84	Surface burning characteristics; Building materials
01/F07	HH-I-515 (para. 4.8.7 in D version, Amendment 1)	Critical radiant flux; Radiant Panel (cellulosic fiber, loose-fill)
01/F08	HH-I-515 (para. 4.8.8 in D version, Amendment 1)	Smoldering combustion; Cellulosic fiber (loose-fill)

PHYSICAL/FIRE TEST GROUP (04/F00)

NVLAP Code	Short Title	Section of UL 737 5th Edition (November 9, 1982)	Section of UL 1482 2nd Edition (January 24, 1983)
04/F01	Test Installation	8	8
04/F02	Temperature Measurement	9	9
04/F04	Radiant Fire Test	11	11
04/F05	Coal Fire Test		14
04/F06	Brand Fire Test	12	12
04/F07	Flash Fire Test	13	13
04/F08	Strength Tests	15	16
04/F09	Stability Test	16	16
04/F10	Glazing Test	14	15

NVLAP Code	Short Title	Section of CSA Standard B 366.2-M1984 (ULC s627-M1984) (April, 1984)
04/F11	Test Installation	7.2
04/F12	Temperature Measurement	7.3
04/F14	Radiant Fire Test	7.5
04/F16	Brand Fire Test	7.6
04/F17	Flash Fire Test	7.7
04/F18	Strength Tests	7.12
04/F19	Stability Test	7.10
04/F20	Glazing Test	7.11

MOBILE HOME TEST GROUP (04/M00)

NVLAP Code	Short Title	Section of UL 737 5th Edition (November 9, 1982)	Section of UL 1482 2nd Edition (January 24, 1983)
04/M01	Test Installation	17	17
04/M02	Toxic Gas	17	17
04/M03	Drop Test	17	17

NVLAP Code	Short Title	Section of CSA Standard B 366.2-M1984 (ULC s627-M1984) (April, 1984)
04/M04	Test Installation	12
04/M05	Toxic Gas	12
04/M06	Drop Test	12

ELECTRICAL TEST GROUP (04/E00)

NVLAP Code	Short Title	Section of UL 737 5th Edition (November 9, 1982)	Section of UL 1482 2nd Edition (January 24, 1983)
04/E01	Test Voltages	33	33
04/E02	Temperature Measurements, Electrical Components	34	34
04/E03	Input Test	35	35
04/E04	Temperature Test, Electrical Components	36	36
04/E05	Leakage Current	38	38
04/E06	Dielectric Withstand	37	37
04/E07	Locked Rotor (Stalled Motor) Temperature	39	39
04/E08	Power Cord Strain Relief	40	40

		Section of CSA C 22.2 No. 3 1979	Section of CSA C 22. 2 No. 113 1982
04/E09	Temperature Measurements, Electrical Components	6.4	6.2
04/E10	Temperature Test, Electrical Components	6.4	6.2
04/E11	Leakage Current	6.8	6.3
04/E12	Dielectric Withstand	6.5	6.3
04/E13	Power Cord Strain Relief	6.9	6.4

NVLAP LAB CODE 0120

COMMERCIAL TESTING COMPANY
1215 South Hamilton Street, P.O. Box 985, Dalton, GA 30720
Jonathan Jackson Phone: 404-278-3935

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
01/C02	HH-I-515 (para. 4.8.5 in D version, Amendment 1)	Corrosiveness; Cellulosic fiber (loose-fill)
01/D25	HH-I-515 (para. 4.8.3 in D version, Amendment 1)	Moisture absorption; Cellulosic fiber (loose-fill)
01/D26	HH-I-515 (para. 4.8.1 in D version, Amendment 1)	Settled density; Cellulosic fiber (loose-fill)
01/F07	HH-I-515 (para. 4.8.7 in D version, Amendment 1)	Critical radiant flux; Radiant Panel (cellulosic fiber, loose-fill)
01/F08	HH-I-515 (para. 4.8.8 in D version, Amendment 1)	Smoldering combustion; Cellulosic fiber (loose-fill)
01/T06	ASTM C518	Thermal transmission properties; Heat flow meter
03/C01	AATCC 16E	Colorfastness to Light (Xenon Arc)
03/C02	AATCC 8	Colorfastness to Crocking
03/D01	ASTM D418	Pile Yarn Floor Covering Construction Pile Weight - Uncoated (Section 8) Pile Weight - Coated (Section 9) Pile Thickness - (Sections 10 & 11) Tuft Height - (Section 13)
03/D02	DDD-C-95A	Shrinkage
03/S01	ASTM D1335 Federal Test Method Standard 191-5100 191-5950	Tuft Bind of Floor Coverings Textile Test Method - Breaking Strength Textile Test Method - Delamination
03/F01	ASTM E84	Surface Flammability
03/F03	16 CFR Part 1630 (FF 1-70) Sec. 1630.4	Surface Flammability Test Procedure
03/F04	ASTM E648	Radiant Panel (Carpet)
03/B02	UM 44C Addenda 2 and 3	Attached Cushion Tests

NVLAP LAB CODE 0121

SPARRELL ENGINEERING RESEARCH CORPORATION
Bristol Road, P.O. Box 130, Damariscotta, ME 04543
James K. Sparrell Phone: 207-563-3224

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
01/T01	ASTM C177	Thermal transmission properties; Low-temperature guarded hot plate
01/T04	ASTM C236	Thermal conductance; Guarded hot box
01/T06	ASTM C518	Thermal transmission properties; Heat flow meter

NVLAP LAB CODE 0123

MANVILLE CORPORATION, R & D CENTER
P.O. Box 5108, Denver, CO 80217
Joseph P. Ferraro Phone: 303-978-5553

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
01/D02	ASTM C167	Thickness and density; Blanket and batt
01/D03	ASTM C209	Thickness;
(para. 6 in 72 version)		Board (cellulosic fiber)
01/D04	ASTM C209	Water absorption, 2 hour;
01/D05	ASTM C209	Water absorption, 24 hour;
(para. 13 in 72 version) by D1037		Board (cellulosic fiber)
(para. 100-106 in 78 version)		
01/D06	ASTM C209	Linear expansion;
(para. 14 in 72 version) by D1037		Board (cellulosic fiber)
(para. 107-110 in 72 version)		
01/D08	ASTM C302	Density; Preformed pipe insulation
01/D09	ASTM C303	Density; Preformed block insulation
01/D11	ASTM C356	Linear shrinkage; Soaking heat; Preformed high temperature insulation
01/D12	ASTM C411	Hot-surface performance; High temperature insulation
01/D13	ASTM C519	Density; Loose-fill (fibrous)
01/F01	TAPPI T461	Flame Resistance; Paper and paperboard
01/F02	ASTM E84	Surface burning characteristics; Building materials
01/F05	ASTM E136	Behavior of Materials in a Vertical Tube Furnace
01/S01	ASTM C165	Compressive properties; Thermal insulation (proc. A)
01/S02	ASTM C203	Breaking load/flexural strength; Preformed block insulation
01/S03	ASTM C209	Transverse strength;
(para. 9 in 72 version)		Board (cellulosic fiber)
01/S04	ASTM C209	Deflection at specified load;
(para. 10 in 72 version)		Board (cellulosic fiber)
01/S05	ASTM C209	Tensile strength; Parallel to surface;
(para. 11 in 72 version)		Board (cellulosic fiber)
01/S06	ASTM C209	Tensile strength; Perpendicular to surface
(para. 12 in 72 version)		
01/S08	ASTM C446	Breaking load/modulus of rupture; Preformed pipe insulation
01/S09	ASTM D781	Puncture test; Paperboard and fiberboard
01/S10	ASTM D828	Tensile breaking strength; Paper and paperboard

01/T01	ASTM C177	Thermal transmission properties; Low-temperature guarded hot plate
01/T04	ASTM C236	Thermal conductance; Guarded hot box
01/T05	ASTM C335	Thermal conductivity; Pipe insulation
01/T06	ASTM C518	Thermal transmission properties; Heat flow meter
01/T09	ASTM C653	Thermal resistance (Rec. Practice); Blanket (mineral fiber)
01/T10	ASTM C687	Thermal resistance (Rec. Practice); Loose-fill (fibrous)
01/V04	ASTM E96	Water vapor transmission; Thin sheets (proc. A)
08/P02	ASTM C384-77(84)	Impedance and Absorption of Acoustical Materials
08/P03	ASTM C423-84a	Sound Absorption and Sound Absorption Coefficients
08/P04	ASTM C522-80	Airflow Resistance of Acoustical Materials
08/P06	ASTM E90-83	Airborne Sound Transmission Loss of Building Partitions

NVLAP LAB CODE 0124

OWENS-CORNING FIBERGLAS CORPORATION
PLANT LABORATORY
Box 89, 960 Central Expressway, Santa Clara, CA 95052
J.P. Tetreault Phone: 408-727-3535

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
01/D02	ASTM C167	Thickness and density; Blanket and batt
01/D09	ASTM C303	Density; Preformed block insulation
01/T06	ASTM C518	Thermal transmission properties; Heat flow meter

NVLAP LAB CODE 0125

OWENS-CORNING FIBERGLAS CORPORATION
PLANT LABORATORY
700 McLaren Road, Fairburn, GA 30213
C. J. Jackson Phone: 404-969-2915

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
01/T06	ASTM C518	Thermal transmission properties; Heat flow meter
01/D02	ASTM C167	Thickness and density; Blanket and batt

NVLAP LAB CODE 0126

OWENS-CORNING FIBERGLAS CORPORATION
PLANT LABORATORY
300 Sunshine Road, Kansas City, KS 66115
C.E. Husmann Phone: 913-281-2811

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
01/D02	ASTM C167	Thickness and density; Blanket and batt
01/D09	ASTM C303	Density; Preformed block insulation
01/T06	ASTM C518	Thermal transmission properties; Heat flow meter

NVLAP LAB CODE 0127

OWENS-CORNING FIBERGLAS CORPORATION
PLANT LABORATORY
Box 8, Davis & Shreeve Roads, Barrington, NJ 08007
P. Kosha Phone: 609-547-9200

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
01/D02	ASTM C167	Thickness and density; Blanket and batt
01/D09	ASTM C303	Density; Preformed block insulation
01/T06	ASTM C518	Thermal transmission properties; Heat flow meter

NVLAP LAB CODE 0128

OWENS-CORNING FIBERGLAS CORPORATION
PLANT LABORATORY
P.O. Box 89, Delmar, NY 12054
Mark P. Arnold Phone: 518-439-9341

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
01/D02	ASTM C167	Thickness and density; Blanket and batt
01/T06	ASTM C518	Thermal transmission properties; Heat flow meter

NVLAP LAB CODE 0129

OWENS-CORNING FIBERGLAS CORPORATION
PLANT LABORATORY
Case Avenue, Newark, OH 43055
P. D. Shull Phone: 614-345-3441

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
01/D02	ASTM C167	Thickness and density; Blanket and batt
01/D09	ASTM C303	Density; Preformed block insulation

01/T06	ASTM C518	Thermal transmission properties; Heat flow meter

NVLAP LAB CODE 0130

OWENS-CORNING FIBERGLAS CORPORATION
PLANT LABORATORY
P.O. Box 837, I-35 East, Waxahachie, TX 75165
Mark Kwasowski Phone: 214-937-1340

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
01/D02	ASTM C167	Thickness and density; Blanket and batt
01/D09	ASTM C303	Density; Preformed block insulation
01/T06	ASTM C518	Thermal transmission properties; Heat flow meter

NVLAP LAB CODE 0131

THE H. C. NUTTING COMPANY
4120 Airport Road, P.O. Box C, Cincinnati, OH 45226
James T. Larbes Phone: 513-321-5816

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
02/M01	ASTM C31	Making and Curing Concrete Test Specimens in the Field
02/M03	ASTM C172	Sampling Fresh Concrete
02/P01	ASTM C143	Slump of Portland Cement Concrete
02/W01	ASTM C138	Unit Weight, Yield, and Air Content (Gravimetric) of Concrete
02/A01	ASTM C231	Air Content of Freshly Mixed Concrete by the Pressure Method
02/S01	ASTM C39	Compressive Strength of Cylindrical Concrete Specimens
02/A02	ASTM C173	Air Content of Freshly Mixed Concrete by the Volumetric Method

NVLAP LAB CODE 0133

THE WALT KEELER COMPANY, INC.
826 East Lincoln Street, P.O. Box 197, Wichita, KS 67201
Kelly B. Callison Phone: 316-265-0615

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
02/M01	ASTM C31	Making and Curing Concrete Test Specimens in the Field
02/M03	ASTM C172	Sampling Fresh Concrete
02/P01	ASTM C143	Slump of Portland Cement Concrete
02/W01	ASTM C138	Unit Weight, Yield, and Air Content (Gravimetric) of Concrete

02/A01	ASTM C231	Air Content of Freshly Mixed Concrete by the Pressure Method
02/A02	ASTM C173	Air Content of Freshly Mixed Concrete by the Volumetric Method

NVLAP LAB CODE 0135

AGUIRRE ENGINEERS, INC.
13276 East Fremont Place, P.O. Box 3014, Englewood, CO 80155
Jeffrey C. Olson Phone: 303-799-8378

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
02/M01	ASTM C31	Making and Curing Concrete Test Specimens in the Field
02/M03	ASTM C172	Sampling Fresh Concrete
02/P01	ASTM C143	Slump of Portland Cement Concrete
02/W01	ASTM C138	Unit Weight, Yield, and Air Content (Gravimetric) of Concrete
02/A01	ASTM C231	Air Content of Freshly Mixed Concrete by the Pressure Method
02/S01	ASTM C39	Compressive Strength of Cylindrical Concrete Specimens
02/A02	ASTM C173	Air Content of Freshly Mixed Concrete by the Volumetric Method

NVLAP LAB CODE 0136

CONTRACTORS SUPPLY CORPORATION OF WEST VIRGINIA, INC.
P.O. Box 6587, 24th & Water, Wheeling, WV 26003
Anthony A. Gulo Phone: 304-232-1048

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
02/M01	ASTM C31	Making and Curing Concrete Test Specimens in the Field
02/M03	ASTM C172	Sampling Fresh Concrete
02/P01	ASTM C143	Slump of Portland Cement Concrete
02/W01	ASTM C138	Unit Weight, Yield, and Air Content (Gravimetric) of Concrete
02/A01	ASTM C231	Air Content of Freshly Mixed Concrete by the Pressure Method
02/S01	ASTM C39	Compressive Strength of Cylindrical Concrete Specimens

NVLAP LAB CODE 0137

CONSTRUCTION TECHNOLOGY LABORATORIES
A DIVISION OF PORTLAND CEMENT ASSOCIATION
5420 Old Orchard Road, Skokie, IL 60077
Ronald G. Burg Phone: 312-965-7500

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
02/M01	ASTM C31	Making and Curing Concrete Test Specimens in the Field
02/M03	ASTM C172	Sampling Fresh Concrete
02/P01	ASTM C143	Slump of Portland Cement Concrete
02/W01	ASTM C138	Unit Weight, Yield, and Air Content (Gravimetric) of Concrete
02/A01	ASTM C231	Air Content of Freshly Mixed Concrete by the Pressure Method
02/S01	ASTM C39	Compressive Strength of Cylindrical Concrete Specimens
02/A02	ASTM C173	Air Content of Freshly Mixed Concrete by the Volumetric Method

NVLAP LAB CODE 0139

AMERICAN CARPET LABORATORIES, INC.
111 West Nashville Street, P.O. Box 357, Ringgold, GA 30736
Michael D. Connell Phone: 404-935-5672

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
03/C01	AATCC 16E	Colorfastness to Light (Xenon Arc)
03/C02	AATCC 8	Colorfastness to Crocking
03/D01	ASTM D418	Pile Yarn Floor Covering Construction Pile Weight - Uncoated (Section 8) Pile Weight - Coated (Section 9) Pile Thickness - (Sections 10 & 11) Tuft Height - (Section 13)
03/D02	DDD-C-95A	Shrinkage
03/S01	ASTM D1335	Tuft Bind of Floor Coverings
	Federal Test Method Standard 191-5100	Textile Test Method - Breaking Strength
	191-5950	Textile Test Method - Delamination
03/F03	16 CFR Part 1630 (FF 1-70)	Surface Flammability
	Sec. 1630.4	Test Procedure
03/F04	ASTM E648	Radiant Panel (Carpet)
03/B02	UM 44C Addenda 2 and 3	Attached Cushion Tests

NVLAP LAB CODE 0141

GENSTAR STONE PRODUCTS COMPANY
WHITE MARSH TECHNICAL CENTER
10300 Pulaski Highway, White Marsh, MD 21162
Robert L. Chester Phone: 301-628-4000

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
02/M01	ASTM C31	Making and Curing Concrete Test Specimens in the Field
02/M03	ASTM C172	Sampling Fresh Concrete
02/P01	ASTM C143	Slump of Portland Cement Concrete
02/W01	ASTM C138	Unit Weight, Yield, and Air Content (Gravimetric) of Concrete
02/A01	ASTM C231	Air Content of Freshly Mixed Concrete by the Pressure Method

02/S01	ASTM C39	Compressive Strength of Cylindrical Concrete Specimens
02/A02	ASTM C173	Air Content of Freshly Mixed Concrete by the Volumetric Method

NVLAP LAB CODE 0142

GEOSCIENCE LTD.
410 South Cedros Avenue, Solana Beach, CA 92075
Heinz F. Poppendiek Phone: 619-755-9396

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
01/D08	ASTM C302	Density; Preformed pipe insulation
01/F05	ASTM E136	Behavior of Materials in a Vertical Tube Furnace
01/T01	ASTM C177	Thermal transmission properties; Low-temperature guarded hot plate
01/T04	ASTM C236	Thermal conductance; Guarded hot box

NVLAP LAB CODE 0143

KELSO INDUSTRIES, INC.
QUALITY CONTROL LABORATORY
P.O. Box 659, Galveston, TX 77553
Chris G. Slate Phone: 713-744-5341

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
02/M01	ASTM C31	Making and Curing Concrete Test Specimens in the Field
02/M03	ASTM C172	Sampling Fresh Concrete
02/P01	ASTM C143	Slump of Portland Cement Concrete
02/W01	ASTM C138	Unit Weight, Yield, and Air Content (Gravimetric) of Concrete
02/A01	ASTM C231	Air Content of Freshly Mixed Concrete by the Pressure Method
02/S01	ASTM C39	Compressive Strength of Cylindrical Concrete Specimens
02/A02	ASTM C173	Air Content of Freshly Mixed Concrete by the Volumetric Method

NVLAP LAB CODE 0146

AMERICAN TESTING LABORATORIES, INC.
Box 4014, 784 Flory Mill Road, Lancaster, PA 17604
John S. Kassees Phone: 717-569-0488

Accreditation Renewal Date: April 1, 1986

NVLAP Code	Designation	Short Title
02/M01	ASTM C31	Making and Curing Concrete Test Specimens in the Field
02/M03	ASTM C172	Sampling Fresh Concrete
02/P01	ASTM C143	Slump of Portland Cement Concrete

02/W01	ASTM C138	Unit Weight, Yield, and Air Content (Gravimetric) of Concrete
02/A01	ASTM C231	Air Content of Freshly Mixed Concrete by the Pressure Method
02/S01	ASTM C39	Compressive Strength of Cylindrical Concrete Specimens
02/A02	ASTM C173	Air Content of Freshly Mixed Concrete by the Volumetric Method

NVLAP LAB CODE 0149

E & B CARPET MILLS
1020 Riverbend Drive, P.O. Box 2047, Dalton, GA 30720
Robert H. Davis Phone: 404-278-3197

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
03/C01	AATCC 16E	Colorfastness to Light (Xenon Arc)
03/C02	AATCC 8	Colorfastness to Crocking
03/D01	ASTM D418	Pile Yarn Floor Covering Construction Pile Weight - Uncoated (Section 8) Pile Weight - Coated (Section 9) Pile Thickness - (Sections 10 & 11) Tuft Height - (Section 13)
03/D02	DDD-C-95A	Shrinkage
03/S01	ASTM D1335	Tuft Bind of Floor Coverings
	Federal Test Method Standard 191-5100	Textile Test Method - Breaking Strength
	191-5950	Textile Test Method - Delamination
03/F03	16 CFR Part 1630 (FF 1-70) Sec. 1630.4	Surface Flammability Test Procedure

NVLAP LAB CODE 0151

HARDWOOD PLYWOOD MANUFACTURERS ASSOCIATION
P.O. Box 2789, 1825 Faraday Drive, Reston, VA 22090
William J. Groah Phone: 703-435-2900

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
01/F02	ASTM E84	Surface burning characteristics; Building materials
01/F07 (para. 4.8.7 in D version, Amendment 1)	HH-I-515	Critical radiant flux; Radiant Panel (cellulosic fiber, loose-fill)
03/F01	ASTM E84	Surface Flammability
03/F04	ASTM E648	Radiant Panel (Carpet)

NVLAP LAB CODE 0154

THE ARUNDEL CORPORATION
GREENSPRING LABORATORY
6806 Greenspring Avenue, Baltimore, MD 21209
David Wherley Phone: 301-296-6400

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
02/M01	ASTM C31	Making and Curing Concrete Test Specimens in the Field
02/M03	ASTM C172	Sampling Fresh Concrete
02/P01	ASTM C143	Slump of Portland Cement Concrete
02/W01	ASTM C138	Unit Weight, Yield, and Air Content (Gravimetric) of Concrete
02/A01	ASTM C231	Air Content of Freshly Mixed Concrete by the Pressure Method
02/S01	ASTM C39	Compressive Strength of Cylindrical Concrete Specimens
02/A02	ASTM C173	Air Content of Freshly Mixed Concrete by the Volumetric Method

NVLAP LAB CODE 0156

BIGELOW-SANFORD, INC.
GEORGIA RUG MILL
Lyerly Street, Summerville, GA 30747
Van A. Pullen Phone: 404-857-2421

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
03/C01	AATCC 16E	Colorfastness to Light (Xenon Arc)
03/C02	AATCC 8	Colorfastness to Crocking
03/D01	ASTM D418	Pile Yarn Floor Covering Construction Pile Weight - Uncoated (Section 8) Pile Weight - Coated (Section 9) Pile Thickness - (Sections 10 & 11) Tuft Height - (Section 13)
03/D02	DDD-C-95A	Shrinkage
03/S01	ASTM D1335	Tuft Bind of Floor Coverings
	Federal Test Method Standard 191-5100	Textile Test Method - Breaking Strength
	191-5950	Textile Test Method - Delamination
03/F03	16 CFR Part 1630 (FF 1-70)	Surface Flammability
	Sec. 1630.4	Test Procedure
03/B01	UM 44C Addendum 3	Attached Cushion Tests

NVLAP LAB CODE 0160

CHISHOLM TRAIL TESTING AND ENGINEERING COMPANY, INC.
302 South Miller Street, Decatur, TX 76234
James F. Rosendahl Phone: 817-627-5216

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
03/C01	AATCC 16E	Colorfastness to Light (Xenon Arc)
03/C02	AATCC 8	Colorfastness to Crocking

03/D01	ASTM D418	Pile Yarn Floor Covering Construction Pile Weight - Uncoated (Section 8) Pile Weight - Coated (Section 9) Pile Thickness - (Sections 10 & 11) Tuft Height - (Section 13)
03/D02	DDD-C-95A	Shrinkage
03/S01	ASTM D1335	Tuft Bind of Floor Coverings
	Federal Test Method Standard 191-5100	Textile Test Method - Breaking Strength
	191-5950	Textile Test Method - Delamination
03/F03	16 CFR Part 1630 (FF 1-70)	Surface Flammability
	Sec. 1630.4	Test Procedure

NVLAP LAB CODE 0163

GALAXY CARPET MILLS, INC.
GALAXY TESTING LABORATORY
P.O. Box 800, Industrial Blvd., Chatsworth, GA 30705
Lou Childers Phone: 404-695-9611

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
03/C01	AATCC 16E	Colorfastness to Light (Xenon Arc)
03/C02	AATCC 8	Colorfastness to Crocking
03/D01	ASTM D418	Pile Yarn Floor Covering Construction Pile Weight - Uncoated (Section 8) Pile Weight - Coated (Section 9) Pile Thickness - (Sections 10 & 11) Tuft Height - (Section 13)
03/D02	DDD-C-95A	Shrinkage
03/S01	ASTM D1335	Tuft Bind of Floor Coverings
	Federal Test Method Standard 191-5100	Textile Test Method - Breaking Strength
	191-5950	Textile Test Method - Delamination
03/F03	16 CFR Part 1630 (FF 1-70)	Surface Flammability
	Sec. 1630.4	Test Procedure
03/B02	UM 44C Addenda 2 and 3	Attached Cushion Tests

NVLAP LAB CODE 0166

INDEPENDENT TEXTILE TESTING SERVICE, INC.
P.O. Box 1948, 1503 Murray Avenue, Dalton, GA 30722
Harry M. Fry Phone: 404-278-3013

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
03/C01	AATCC 16E	Colorfastness to Light (Xenon Arc)
03/C02	AATCC 8	Colorfastness to Crocking
03/D01	ASTM D418	Pile Yarn Floor Covering Construction Pile Weight - Uncoated (Section 8) Pile Weight - Coated (Section 9) Pile Thickness - (Sections 10 & 11) Tuft Height - (Section 13)
03/D02	DDD-C-95A	Shrinkage
03/S01	ASTM D1335	Tuft Bind of Floor Coverings
	Federal Test Method Standard 191-5100	Textile Test Method - Breaking Strength
	191-5950	Textile Test Method - Delamination

03/E01	AATCC 134/CRI 102	Electrostatic Propensity of Carpets
03/F03	16 CFR Part 1630 (FF 1-70) Sec. 1630.4	Surface Flammability Test Procedure
03/F04	ASTM E648	Radiant Panel (Carpet)
03/B02	UM 44C Addenda 2 and 3	Attached Cushion Tests

NVLAP LAB CODE 0175

DOW CHEMICAL U.S.A
NORTH HAVEN LABORATORIES
410 Sackett Point Road, P.O. Box 430, North Haven, CT 06473
Herbert G. Nadeau Phone: 203-281-2762

Accreditation Renewal Date: October 1, 1986

NVLAP Code	Designation	Short Title
01/D21	ASTM D2126	Response to thermal and humid aging (proc. E); Rigid cellular plastics
01/D28	ASTM D2126	Response to thermal and humid aging (proc. G); Rigid cellular plastics
01/T06	ASTM C518	Thermal transmission properties; Heat flow meter

NVLAP LAB CODE 0176

W. R. GRACE & COMPANY
CONSTRUCTION PRODUCTS DIVISION
62 Whittemore Avenue, Cambridge, MA 02140
Matt A. Jabbari Phone: 617-876-1400

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
02/M01	ASTM C31	Making and Curing Concrete Test Specimens in the Field
02/M03	ASTM C172	Sampling Fresh Concrete
02/P01	ASTM C143	Slump of Portland Cement Concrete
02/W01	ASTM C138	Unit Weight, Yield, and Air Content (Gravimetric) of Concrete
02/A01	ASTM C231	Air Content of Freshly Mixed Concrete by the Pressure Method
02/S01	ASTM C39	Compressive Strength of Cylindrical Concrete Specimens
02/A02	ASTM C173	Air Content of Freshly Mixed Concrete by the Volumetric Method

NVLAP LAB CODE 0177

ATLANTIC TESTING LABORATORIES, LIMITED
CICERO DIVISION
P.O. Box 356, Route 31 at Route 81, Cicero, NY 13039
Robert van der Horst Phone: 315-699-5281

Accreditation Renewal Date: April 1, 1986

NVLAP Code	Designation	Short Title
02/M01	ASTM C31	Making and Curing Concrete Test Specimens in the Field
02/M03	ASTM C172	Sampling Fresh Concrete
02/P01	ASTM C143	Slump of Portland Cement Concrete
02/W01	ASTM C138	Unit Weight, Yield, and Air Content (Gravimetric) of Concrete
02/A01	ASTM C231	Air Content of Freshly Mixed Concrete by the Pressure Method
02/S01	ASTM C39	Compressive Strength of Cylindrical Concrete Specimens
02/A02	ASTM C173	Air Content of Freshly Mixed Concrete by the Volumetric Method

NVLAP LAB CODE 0178

BIGELOW-SANFORD, INC.
TECHNICAL SERVICES
P.O. Box 3089, Greenville, SC 29602
Hamir D. Merchant Phone: 803-299-2630

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
03/C01	AATCC 16E	Colorfastness to Light (Xenon Arc)
03/C02	AATCC 8	Colorfastness to Crocking
03/D01	ASTM D418	Pile Yarn Floor Covering Construction Pile Weight - Uncoated (Section 8) Pile Weight - Coated (Section 9) Pile Thickness - (Sections 10 & 11) Tuft Height - (Section 13)
03/D02	DDD-C-95A	Shrinkage
03/S01	ASTM D1335	Tuft Bind of Floor Coverings
	Federal Test Method Standard 191-5100	Textile Test Method - Breaking Strength
	191-5950	Textile Test Method - Delamination
03/E01	AATCC 134/CRI 102	Electrostatic Propensity of Carpets
03/F03	16 CFR Part 1630 (FF 1-70)	Surface Flammability
	Sec. 1630.4	Test Procedure
03/F04	ASTM E648	Radiant Panel (Carpet)
03/B01	UM 44C Addendum 3	Attached Cushion Tests

NVLAP LAB CODE 0183

A & H/FLOOD ENGINEERING DIVISION, P.S.I., INC.
4421 Harrison Street, Hillside, IL 60162
Paul E. Flood Phone: 312-449-0500

Accreditation Renewal Date: April 1, 1986

NVLAP Code	Designation	Short Title
02/M01	ASTM C31	Making and Curing Concrete Test Specimens in the Field
02/M03	ASTM C172	Sampling Fresh Concrete
02/P01	ASTM C143	Slump of Portland Cement Concrete
02/W01	ASTM C138	Unit Weight, Yield, and Air Content (Gravimetric) of Concrete
02/A01	ASTM C231	Air Content of Freshly Mixed Concrete by the Pressure Method
02/S01	ASTM C39	Compressive Strength of Cylindrical Concrete Specimens
02/A02	ASTM C173	Air Content of Freshly Mixed Concrete by the Volumetric Method

NVLAP LAB CODE 0188

TWIN CITY TESTING AND ENGINEERING LABORATORY, INC.
662 Cromwell Avenue, St. Paul, MN 55114
Richard Stehly Phone: 612-645-3601

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
01/T04	ASTM C236	Thermal conductance; Guarded hot box
02/M01	ASTM C31	Making and Curing Concrete Test Specimens in the Field
02/M03	ASTM C172	Sampling Fresh Concrete
02/P01	ASTM C143	Slump of Portland Cement Concrete
02/W01	ASTM C138	Unit Weight, Yield, and Air Content (Gravimetric) of Concrete
02/A01	ASTM C231	Air Content of Freshly Mixed Concrete by the Pressure Method
02/S01	ASTM C39	Compressive Strength of Cylindrical Concrete Specimens
02/A02	ASTM C173	Air Content of Freshly Mixed Concrete by the Volumetric Method

NVLAP LAB CODE 0190

CORONET CARPETS
CORONET INDUSTRIES
P.O. Box 1248, Cleveland Drive, Dalton, GA 30720
Winfred L. Jones Phone: 404-259-4511

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
03/C01	AATCC 16E	Colorfastness to Light (Xenon Arc)
03/C02	AATCC 8	Colorfastness to Crocking

03/D01	ASTM D418	Pile Yarn Floor Co ering Construction Pile Weight - Uncoated (Section 8) Pile Weight - Coated (Section 9) Pile Thickness - (Sections 10 & 11) Tuft Height - (Section 13)
03/D02	DDD-C-95A	Shrinkage
03/S01	ASTM D1335	Tuft Bind of Floor Coverings
	Federal Test Method Standard 191-5100	Textile Test Method - Breaking Strength
	191-5950	Textile Test Method - Delamination
03/F03	16 CFR Part 1630 (FF 1-70)	Surface Flammability
	Sec. 1630.4	Test Procedure

NVLAP LAB CODE 0191

STS CONSULTANTS, LTD.
111 Pfingsten Road, Northbrook, IL 60062
Michael T. Russell Phone: 312-272-6520

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
02/M01	ASTM C31	Making and Curing Concrete Test Specimens in the Field
02/M03	ASTM C172	Sampling Fresh Concrete
02/P01	ASTM C143	Slump of Portland Cement Concrete
02/W01	ASTM C138	Unit Weight, Yield, and Air Content (Gravimetric) of Concrete
02/A01	ASTM C231	Air Content of Freshly Mixed Concrete by the Pressure Method
02/S01	ASTM C39	Compressive Strength of Cylindrical Concrete Specimens
02/A02	ASTM C173	Air Content of Freshly Mixed Concrete by the Volumetric Method

NVLAP LAB CODE 0192

SMITH-EMERY COMPANY
781 East Washington Boulevard, Los Angeles, CA 90021
George E. Battey, Jr. Phone: 213-749-3411

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
02/M01	ASTM C31	Making and Curing Concrete Test Specimens in the Field
02/M03	ASTM C172	Sampling Fresh Concrete
02/P01	ASTM C143	Slump of Portland Cement Concrete
02/W01	ASTM C138	Unit Weight, Yield, and Air Content (Gravimetric) of Concrete
02/A01	ASTM C231	Air Content of Freshly Mixed Concrete by the Pressure Method
02/S01	ASTM C39	Compressive Strength of Cylindrical Concrete Specimens
02/A02	ASTM C173	Air Content of Freshly Mixed Concrete by the Volumetric Method

NVLAP LAB CODE 0193

SHAW INDUSTRIES, INC.
Plant #4, S. Hamilton St. Ext., P.O. Drawer 2128, Dalton, GA 30720
Carey Mitchell Phone: 404-278-3812

Accreditation Renewal Date: Jan ary 1, 1987

NVLAP Code	Designation	Short Title
03/C01	AATCC 16E	Colorfastness to Light (Xenon Arc)
03/C02	AATCC 8	Colorfastness to Crocking
03/D01	ASTM D418	Pile Yarn Floor Covering Construction
		Pile Weight - Uncoated (Section 8)
		Pile Weight - Coated (Section 9)
		Pile Thickness - (Sections 10 & 11)
		Tuft Height - (Section 13)
03/D02	DDD-C-95A	Shrinkage
03/S01	ASTM D1335	Tuft Bind of Floor Coverings
	Federal Test Method Standard 191-5100	Textile Test Method - Breaking Stren th
	191-5950	Textile Test Method - Delamination
03/F03	16 CFR Part 1630 (FF 1-70) Sec. 1630.4	Surface Flammability Test Procedure

NVLAP LAB CODE 0195

GARCO TESTING LABORATORIES
532 West 3560 South, Salt Lake City, UT 84107
Douglas L. Watson Phone: 801-266-4498

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
02/M01	ASTM C31	Making and Curing Concrete Test Specimens in the Field
02/M03	ASTM C172	Sampling Fresh Concrete
02/P01	ASTM C143	Slump of Portland Cement Concrete
02/W01	ASTM C138	Unit Weight, Yield, and Air Content (Gravimetric) of Concrete
02/A01	ASTM C231	Air Content of Freshly Mixed Concrete by the Pressure Method
02/S01	ASTM C39	Compressive Strength of Cylindrical Concrete Specimens
02/A02	ASTM C173	Air Content of Freshly Mixed Concrete by the Volumetric Method

NVLAP LAB CODE 0196

TEXAS TESTING LABORATORIES, INC.
1526 South Good-Latimer Expressway, P.O. Box 2144, Dallas, TX 75221
George W. Pluto Phone: 214-428-7481

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
02/M01	ASTM C31	Making and Curing Concrete Test Specimens in the Field
02/M03	ASTM C172	Sampling Fresh Concrete
02/P01	ASTM C143	Slump of Portland Cement Concrete

02/W01	ASTM C138	Unit Weight, Yield, and Air Content (Gravimetric) of Concrete
02/A01	ASTM C231	Air Content of Freshly Mixed Concrete by the Pressure Method
02/S01	ASTM C39	Co- ressive Strength of Cylindrical Concrete Specimens
02/A02	ASTM C173	Air Content of Freshly Mixed Concrete by the Volumetric Method

NVLAP LAB CODE 0197

WORLD CARPETS
QUALITY CONTROL PHYSICAL TESTING
One World Plaza, Dalton, GA 30720
Wayne Murdock Phone: 404-278-8000

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
03/C01	AATCC 16E	Colorfastness to Light (Xenon Arc)
03/C02	AATCC 8	Colorfastness to Crocking
03/D01	ASTM D418	Pile Yarn Floor Covering Construction
		Pile Weight - Uncoated (Section 8)
		Pile Weight - Coated (Section 9)
		Pile Thickness - (Sections 10 & 11)
		Tuft Height - (Section 13)
03/D02	DDD-C-95A	Shrinkage
03/S01	ASTM D1335	Tuft Bind of Floor Coverings
	Federal Test Method Standard 191-5100	Textile Test Method - Breaking Strength
	191-5950	Textile Test Method - Delamination
03/F03	16 CFR Part 1630 (FF 1-70)	Surface Flammability
	Sec. 1630.4	Test Procedure

NVLAP LAB CODE 0201

PITTSBURGH TESTING LABORATORY
850 Poplar Street, Pittsburgh, PA 15220
William H. Levelius Phone: 412-922-4000

Accreditation Renewal Date: October 1, 1986

NVLAP Code	Designation	Short Title
02/M01	ASTM C31	Making and Curing Concrete Test Specimens in the Field
02/M03	ASTM C172	Sampling Fresh Concrete
02/P01	ASTM C143	Slump of Portland Cement Concrete
02/W01	ASTM C138	Unit Weight, Yield, and Air Content (Gravimetric) of Concrete
02/A01	ASTM C231	Air Content of Freshly Mixed Concrete by the Pressure Method
02/S01	ASTM C39	Compressive Strength of Cylindrical Concrete Specimens
02/A02	ASTM C173	Air Content of Freshly Mixed Concrete by the Volumetric Method

NVLAP LAB CODE 0203

CAL MAT CO.
CONROCK DIVISION TESTING LABORATORY
P.O. Box 2950, Terminal Annex, Los Angeles, CA 90051
James Neal Van Nest Phone: 213-258-2777

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
02/M01	ASTM C31	Making and Curing Concrete Test Specimens in the Field
02/M03	ASTM C172	Sampling Fresh Concrete
02/P01	ASTM C143	Slump of Portland Cement Concrete
02/W01	ASTM C138	Unit Weight, Yield, and Air Content (Gravimetric) of Concrete
02/A01	ASTM C231	Air Content of Freshly Mixed Concrete by the Pressure Method
02/S01	ASTM C39	Compressive Strength of Cylindrical Concrete Specimens
02/A02	ASTM C173	Air Content of Freshly Mixed Concrete by the Volumetric Method

NVLAP LAB CODE 0206

R. W. SIDLEY, INC.
QUALITY CONTROL LABORATORY
6900 Madison Road, Thompson, OH 44086
James R. Cannizzaro Phone: 216-298-3232

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
02/M01	ASTM C31	Making and Curing Concrete Test Specimens in the Field
02/M03	ASTM C172	Sampling Fresh Concrete
02/P01	ASTM C143	Slump of Portland Cement Concrete
02/W01	ASTM C138	Unit Weight, Yield, and Air Content (Gravimetric) of Concrete
02/A01	ASTM C231	Air Content of Freshly Mixed Concrete by the Pressure Method
02/S01	ASTM C39	Compressive Strength of Cylindrical Concrete Specimens
02/A02	ASTM C173	Air Content of Freshly Mixed Concrete by the Volumetric Method

NVLAP LAB CODE 0208

GULF COAST TESTING LABORATORY, INC.
1205 North Tancahua Street, Corpus Christi, TX 78401
Doyne Reynolds Phone: 512-882-5411

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
02/M01	ASTM C31	Making and Curing Concrete Test Specimens in the Field
02/M03	ASTM C172	Sampling Fresh Concrete
02/P01	ASTM C143	Slump of Portland Cement Concrete
02/W01	ASTM C138	Unit Weight, Yield, and Air Content (Gravimetric) of Concrete

02/A01	ASTM C231	Air Content of Freshly Mixed Concrete by the Pressure Method
02/S01	ASTM C39	Compressive Strength of Cylindrical Concrete Specimens
02/A02	ASTM C173	Air Content of Freshly Mixed Concrete by the Volumetric Method

NVLAP LAB CODE 0210

INSTA-FOAM PRODUCTS, INC.
1500 Cedarwood Drive, Joliet, IL 60435
Greg Luegering Phone: 815-741-6819

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
01/D15	ASTM D756	Weight and shape changes; Accelerated service (proc. A); Plastics
01/D16	ASTM D756	Weight and shape changes; Accelerated service (proc. B); Plastics
01/D17	ASTM D756	Weight and shape changes; Accelerated service (proc. E); Plastics
01/D18	ASTM D1622	Apparent density; Rigid cellular plastics
01/D20	ASTM D2126	Response to thermal and humid aging (proc. D); Rigid cellular plastics
01/D22	ASTM D2126	Response to thermal and humid aging (proc. F); Rigid cell lar plastics
01/D23	ASTM D2842	Water absorption; Rigid cellular plastics
01/D27	ASTM D2126	Response to thermal and humid aging (proc. C); Rigid cell lar plastics
01/D28	ASTM D2126	Response to thermal and humid aging (proc. G); Rigid cellular plastics
01/S11	ASTM D1621	Compressive properties; Rigid cellular plastics (proc. A-Crosshead)
01/T06	ASTM C518	Thermal transmission properties; Heat flow meter
01/V04	ASTM E96	Water vapor transmission; Thin sheets (proc. A)

NVLAP LAB CODE 0215

CONSTRUCTION MATERIALS CONSULTANTS, INC.
1000 West Fillmore Street, Colorado Springs, CO 80907
Ivan A. Vanaken Phone: 303-632-2588

Accreditation Renewal Date: July 1, 1986

NVLAP Code	Designation	Short Title
02/M01	ASTM C31	Making and Curing Concrete Test Specimens in the Field
02/M03	ASTM C172	Sampling Fresh Concrete
02/P01	ASTM C143	Slump of Portland Cement Concrete
02/W01	ASTM C138	Unit Weight, Yield, and Air Content (Gravimetric) of Concrete
02/A01	ASTM C231	Air Content of Freshly Mixed Concrete by the Pressure Method
02/S01	ASTM C39	Compressive Strength of Cylindrical Concrete Specimens
02/A02	ASTM C173	Air Content of Freshly Mixed Concrete by the Volumetric Method

NVLAP LAB CODE 0216

UNITED STATES GYPSUM COMPANY, RESEARCH CENTER
700 North Highway 45, Libertyville, IL 60048
William F. Porter Phone: 312-362-9797

Accreditation Renewal Date: July 1, 1986

NVLAP Code	Designation	Short Title
01/T06	ASTM C518	Thermal transmission properties; Heat flow meter

NVLAP LAB CODE 0218

APACHE BUILDING PRODUCTS COMPANY
2025 East Linden Avenue, Linden, NJ 07036
Dennis W. Rosato Phone: 201-486-6723

Accreditation Renewal Date: October 1, 1986

NVLAP Code	Designation	Short Title
01/D18	ASTM D1622	Apparent density; Rigid cellular plastics
01/D21	ASTM D2126	Response to thermal and humid aging (proc. E); Rigid cellular plastics
01/D27	ASTM D2126	Response to thermal and humid aging (proc. C); Rigid cellular plastics
01/S11	ASTM D1621	Compressive properties; Rigid cellular plastics (proc. A-Crosshead)
01/T06	ASTM C518	Thermal transmission properties; Heat flow meter

NVLAP LAB CODE 0220

STRATTON LABORATORIES
Highway 61, South, P.O. Box 1007, Cartersville, GA 30120
Jack R. Kilgore Phone: 404-382-9350

Accreditation Renewal Date: October 1, 1986

NVLAP Code	Designation	Short Title
03/S01	ASTM D1335	Tuft Bind of Floor Coverings
	Federal Test Method Standard 191-5100	Textile Test Method - Breaking Strength
	191-5950	Textile Test Method - Delamination
03/F03	16 CFR Part 1630 (FF 1-70)	Surface Flammability
	Sec. 1630.4	Test Procedure
03/F04	ASTM E648	Radiant Panel (Carpet)

NVLAP LAB CODE 0221

SALEM CARPET LABORATORY
P.O. Box 10, Chatsworth, GA 30736
Michael A. Corbin Phone: 404-935-2241

Accreditation Renewal Date: J'ly 1, 1986

NVLAP Code	Designation	Short Title
03/C01	AATCC 16E	Colorfastness to Light (Xenon Arc)
03/C02	AATCC 8	Colorfastness to Crocking
03/D01	ASTM D418	Pile Yarn Floor Covering Construction
		Pile Weight - Uncoated (Section 8)
		Pile Weight - Coated (Section 9)
		Pile Thickness - (Sections 10 & 11)
		Tuft Height - (Section 13)
03/D02	DDD-C-95A	Shrinkage
03/S01	ASTM D1335	Tuft Bind of Floor Coverings
	Federal Test Method Standard 191-5100	Textile Test Method - Breaking Strength
	191-5950	Textile Test Method - Delamination
03/F03	16 CFR Part 1630 (FF 1-70)	Surface Flammability
	Sec. 1630.4	Test Procedure
03/F04	ASTM E648	Radiant Panel (Carpet)

NVLAP LAB CODE 0223

PFS CORPORATION
2402 Daniels Street, Madison, WI 53704
Ed Starostovic Phone: 608-221-3361

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Short Title	Section of UL 737 5th Edition (March 1, 1982)	Section of UL 1482 2nd Edition (January 24, 1983)
	PHYSICAL/FIRE TEST GROUP (04/F00)		
04/F01	Test Installation	8	8
04/F02	Temperature Measurement	9	9
04/F04	Radiant Fire Test	11	11
04/F05	Coal Fire Test		14
04/F06	Brand Fire Test	12	12
04/F07	Flash Fire Test	13	13
04/F08	Strength Tests	15	16
04/F09	Stability Test	16	16
04/F10	Glazing Test	14	15
	MOBILE HOME TEST GROUP (04/M00)		
04/M01	Test Installation	17	17
04/M02	Toxic Gas	17	17
04/M03	Drop Test	17	17
	ELECTRICAL TEST GROUP (04/E00)		
04/E01	Test Voltages	33	33
04/E02	Temperature Measurements, Electrical Components	34	34
04/E03	Input Test	35	35

04/E04	Temperature Test, Electrical Components	36	36
04/E05	Leakage Current	38	38
04/E06	Dielectric Withstand	37	37
04/E07	Locked Rotor (Stalled Motor) Temperature	39	39
04/E08	Power Cord Strain Relief	40	40

NVLAP LAB CODE 0225

ARNOLD GREENE TESTING LABORATORIES
A DIVISION OF CONAM INSPECTION
2 Millbury Street, Auburn, MA 01501
Robert J. Halliday Phone: 617-235-7330

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Short Title	Section of UL 737 5th Edition (March 1, 1982)	Section of UL 1482 2nd Edition (January 24, 1983)
	PHYSICAL/FIRE TEST GROUP (04/F00)		
04/F01	Test Installation	8	8
04/F02	Temperature Measurement	9	9
04/F04	Radiant Fire Test	11	11
04/F05	Coal Fire Test		14
04/F06	Brand Fire Test	12	12
04/F07	Flash Fire Test	13	13
04/F08	Strength Tests	15	16
04/F09	Stability Test	16	16
04/F10	Glazing Test	14	15
	MOBILE HOME TEST GROUP (04/M00)		
04/M01	Test Installation	17	17
04/M02	To ic Gas	17	17
04/M03	Drop Test	17	17
	ELECTRICAL TEST GROUP (04/E00)		
04/E01	Test Voltages	33	33
04/E02	Temperature Measurements, Electrical Components	34	34
04/E03	Input Test	35	35
04/E04	Temperature Test, Electrical Components	36	36
04/E05	Leakage Current	38	38
04/E06	Dielectric Withstand	37	37
04/E07	Locked Rotor (Stalled Motor) Temperature	39	39
04/E08	Power Cord Strain Relief	40	40

NVLAP LAB CODE 0226

WISS, JANNEY, ELSTNER ASSOCIATES, INC.
330 Pfingsten Road, Northbrook, IL 60062
Jerry G. Stockbridge Phone: 312-272-7400

Accreditation Renewal Date: July 1, 1986

NVLAP Code	Designation	Short Title
01/T04	ASTM C236	Thermal conductance; Guarded hot box

NVLAP LAB CODE 0227

RIVERBANK ACOUSTICAL LABORATORIES
P.O.Box 189, 1512 Batavia Avenue, Geneva, IL 60134
John W. Kopec Phone: 312-232-0104

Accreditation Renewal Date: April 1, 1986

NVLAP Code	Designation	Short Title
08/P03	ASTM C423-84a	Sound Absorption and Sound Absorption Coefficients
08/P05	ASTM C523-68 (81)	Light Reflectance of Acoustical Materials
08/P06	ASTM E90-83	Airborne Sound Transmission Loss of Building Partitions
08/P07	ASTM E492-82	Impact Sound Transmission Through Floor-Ceiling Assemblies
08/P10	ANSI S1.31-80	Sound Power Levels, Broad-Band Noise Sources in Reverberation Rooms (100-10,000 Hz)
08/P17	ISO 3741-75	Sound Power Levels, Broad-Band Sources in Re erberation Rooms (100-10,000 Hz)
08/E01	ANSI B71.1-80 (para. 9 and 21)	Sound Level Tests; Power Lawn Mowers, Lawn and Garden Tractors and Lawn Tractors

NVLAP LAB CODE 0228

ARMSTRONG WORLD INDUSTRIES
TECHNICAL CENTER, ACOUSTICS LABORATORY
2500 Columbia Avenue, P.O.Box 3511, Lancaster, PA 17604
G. Robert Spalding Phone: 717-397-0611

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
08/P03	ASTM C423-84a	Sound Absorption and Sound Absorption Coefficients
08/P07	ANSI/ASTM E492-82	Impact Sound Transmission Through Floor-Ceiling Assemblies

NVLAP LAB CODE 0229

GOLD BOND BUILDING PRODUCTS
A NATIONAL GYPSUM DIVISION, RESEARCH CENTER
1650 Military Road, Buffalo, NY 14217
Joseph Volk Phone: 716-873-9750

Accreditation Renewal Date: April 1, 1986

NVLAP Code	Designation	Short Title
08/P03	ASTM C423-84a	Sound Absorption and Sound Absorption Coefficients
08/P06	ASTM E90-83	Airborne Sound Transmission Loss of Building Partitions
08/E21	AMA-1-II-67	Ceiling Sound Transmission Test by Two-Room Method

NVLAP LAB CODE 0230

VIRGINIA CONCRETE LABORATORY
6555 Edsall Road, Box 666, Springfield, VA 22150
Richard A. Buckelew Phone: 703-354-7100

Accreditation Renewal Date: April 1, 1986

NVLAP Code	Designation	Short Title
02/M01	ASTM C31	Making and Curing Concrete Test Specimens in the Field
02/M03	ASTM C172	Sampling Fresh Concrete
02/P01	ASTM C143	Slump of Portland Cement Concrete
02/W01	ASTM C138	Unit Weight, Yield, and Air Content (Gravimetric) of Concrete
02/A01	ASTM C231	Air Content of Freshly Mixed Concrete by the Pressure Method
02/S01	ASTM C39	Co- ressive Strength of Cylindrical Concrete Specimens
02/A02	ASTM C173	Air Content of Freshly Mixed Concrete by the Volumetric Method

NVLAP LAB CODE 0232

RITCHIE LABORATORIES
1820 North Mosley, P.O. Box 4048, Wichita, KS 67204
Donald J. Brockel Phone: 316-263-9937

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
02/M01	ASTM C31	Making and Curing Concrete Test Specimens in the Field
02/M03	ASTM C172	Sampling Fresh Concrete
02/P01	ASTM C143	Slump of Portland Cement Concrete
02/W01	ASTM C138	Unit Weight, Yield, and Air Content (Gravimetric) of Concrete
02/A01	ASTM C231	Air Content of Freshly Mixed Concrete by the Pressure Method
02/S01	ASTM C39	Compressive Strength of Cylindrical Concrete Specimens
02/A02	ASTM C173	Air Content of Freshly Mixed Concrete by the Volumetric Method

NVLAP LAB CODE 0233

STS CONSULTANTS, LTD.
FAIRFAX VA OFFICE
2929-C Eskridge Road, Fairfax, VA 22031
Charles L. Hargest Phone: 703-698-5300

Accreditation Renewal Date: October 1, 1986

NVLAP Code	Designation	Short Title
02/M01	ASTM C31	Making and Curing Concrete Test Specimens in the Field
02/M03	ASTM C172	Sampling Fresh Concrete
02/P01	ASTM C143	Slump of Portland Cement Concrete
02/W01	ASTM C138	Unit Weight, Yield, and Air Content (Gravimetric) of Concrete
02/A01	ASTM C231	Air Content of Freshly Mixed Concrete by the Pressure Method
02/S01	ASTM C39	Compressive Strength of Cylindrical Concrete Specimens
02/A02	ASTM C173	Air Content of Freshly Mixed Concrete by the Volumetric Method

NVLAP LAB CODE 0235

PACIFIC INSPECTION AND RESEARCH LABORATORY, INC.
4076 148th Avenue North East, Redmond, WA 98052
Ronald J. Weisel Phone: 206-881-7668

Accreditation Renewal Date: October 1, 1986

PHYSICAL/FIRE TEST GROUP

NVLAP Code	Short Title	Section of UL 737 5th Edition (November 9, 1982)	Section of UL 1482 2nd Edition (January 24, 1983)
04/F01	Test Installation	8	8
04/F02	Temperature Measurement	9	9
04/F04	Radiant Fire Test	11	11
04/F05	Coal Fire Test		14
04/F06	Brand Fire Test	12	12
04/F07	Flash Fire Test	13	13
04/F08	Strength Tests	15	16
04/F09	Stability Test	16	16
04/F10	Glazing Test	14	15

		Section of CSA Standard B 366.2-M1984 (ULC s627-M1984) (April, 1984)
04/F11	Test Installation	7.2
04/F12	Temperature Measurement	7.3
04/F14	Radiant Fire Test	7.5
04/F16	Brand Fire Test	7.6
04/F17	Flash Fire Test	7.7
04/F18	Strength Tests	7.12
04/F19	Stability Test	7.10
04/F20	Glazing Test	7.11

MOBILE HOME TEST GROUP

NVLAP Code	Short Title	Section of UL 737 5th Edition (November 9, 1982)	Section of UL 1482 2nd Edition (January 24, 1983)
04/M01	Test Installation	17	17
04/M02	Toxic Gas	17	17
04/M03	Drop Test	17	17

		Section of CSA Standard B 366.2-M1984 (ULC s627-M1984) (April, 1984)
04/M04	Test Installation	12
04/M05	Toxic Gas	12
04/M06	Drop Test	12

ELECTRICAL TEST GROUP

NVLAP Code	Short Title	Section of UL 737 5th Edition (November 9, 1982)	Section of UL 1482 2nd Edition (January 24, 1983)
04/E01	Test Voltages	33	33
04/E02	Temperature Measurements, Electrical Components	34	34
04/E03	Input Test	35	35
04/E04	Temperature Test, Electrical Components	36	36
04/E05	Leakage Current	38	38
04/E06	Dielectric Withstand	37	37
04/E07	Locked Rotor (Stalled Motor) Temperature	39	39
04/E08	Power Cord Strain Relief	40	40

		Section of CSA C 22.2 No. 3 1979	Section of CSA C 22. 2 No. 113 1982
04/E09	Temperature Measurements, Electrical Components	6.2	6.4
04/E10	Temperature Test, Electrical Components	6.2	6.4
04/E11	Leakage Current		6.8
04/E12	Dielectric Withstand	6.3	6.5
04/E13	Power Cord Strain Relief	6.4	6.9

NVLAP LAB CODE 0237

PITTSBURGH TESTING LABORATORY
SYRACUSE NY PLANT LABORATORY
6159 East Mallory Road, Syracuse, NY 13057
W.J. Peters Phone: 315-437-7043

Accreditation Renewal Date: April 1, 1986

NVLAP Code	Designation	Short Title
02/M01	ASTM C31	Making and Curing Concrete Test Specimens in the Field
02/M03	ASTM C172	Sampling Fresh Concrete
02/P01	ASTM C143	Slump of Portland Cement Concrete
02/W01	ASTM C138	Unit Weight, Yield, and Air Content (Gravimetric) of Concrete
02/A01	ASTM C231	Air Content of Freshly Mixed Concrete by the Pressure Method
02/S01	ASTM C39	Compressive Strength of Cylindrical Concrete Specimens
02/A02	ASTM C173	Air Content of Freshly Mixed Concrete by the Volumetric Method

NVLAP LAB CODE 0239

HUFCOR ACOUSTICAL LABORATORY
HOUGH MANUFACTURING CORP.
P.O. Box 591, 1205 Norwood Road, Janesville, WI 53547
Stanley Kowalczyk Phone: 608-756-1241

Accreditation Renewal Date: October 1, 1986

NVLAP Code	Designation	Short Title
08/P03	ASTM C423-84a	Sound Absorption and Sound Absorption Coefficients
08/P06	ASTM E90-83	Airborne Sound Transmission Loss of Building Partitions

NVLAP LAB CODE 0240

OMNI ENVIRONMENTAL SERVICES, INC.
SOLID FUELS TESTING LAB
10950 SW 5th Street, Suite 160, Beaverton, OR 97005
Raymond W. Downey Phone: 503-643-3755

Accreditation Renewal Date: January 1, 1987

PHYSICAL/FIRE TEST GROUP (04/F00)

NVLAP Code	Short Title	Section of UL 737 5th Edition (November 9, 1982)	Section of UL 1482 2nd Edition (January 24, 1983)
04/F01	Test Installation	8	8
04/F02	Temperature Measurement	9	9
04/F04	Radiant Fire Test	11	11
04/F05	Coal Fire Test		14
04/F06	Brand Fire Test	12	12
04/F07	Flash Fire Test	13	13
04/F08	Strength Tests	15	16
04/F09	Stability Test	16	16
04/F10	Glazing Test	14	15

NVLAP Code	Short Title	Section of CSA Standard B 366.2-M1984 (ULC s627-M1984) (April, 1984)
04/F11	Test Installation	7.2
04/F12	Temperature Measurement	7.3
04/F14	Radiant Fire Test	7.5
04/F16	Brand Fire Test	7.6
04/F17	Flash Fire Test	7.7
04/F18	Strength Tests	7.12
04/F19	Stability Test	7.10
04/F20	Glazing Test	7.11

MOBILE HOME TEST GROUP (04/M00)

NVLAP Code	Short Title	Section of UL 737 5th Edition (November 9, 1982)	Section of UL 1482 2nd Edition (January 24, 1983)
04/M01	Test Installation	17	17
04/M02	Toxic Gas	17	17
04/M03	Drop Test	17	17

NVLAP Code	Short Title	Section of CSA Standard B 366.2-M1984 (ULC s627-M1984) (April, 1984)
04/M04	Test Installation	12
04/M05	Toxic Gas	12
04/M06	Drop Test	12

ELECTRICAL TEST GROUP (04/E00)

NVLAP Code	Short Title	Section of UL 737 5th Edition (November 9, 1982)	Section of UL 1482 2nd Edition (January 24, 1983)
04/E01	Test Voltages	33	33
04/E02	Temperature Measurements, Electrical Components	34	34
04/E03	Input Test	35	35
04/E04	Temperature Test, Electrical Components	36	36
04/E05	Leakage Current	38	38
04/E06	Dielectric Withstand	37	37
04/E07	Locked Rotor (Stalled Motor) Temperature	39	39
04/E08	Power Cord Strain Relief	40	40

		Section of CSA C 22.2 No. 3 1979	Section of CSA C 22. 2 No. 113 1982
04/E09	Temperature Measurements, Electrical Components	6.4	6.2
04/E10	Temperature Test, Electrical Components	6.4	6.2
04/E11	Leakage Current	6.8	6.3
04/E12	Dielectric Withstand	6.5	6.3
04/E13	Power Cord Strain Relief	6.9	6.4

NVLAP LAB CODE 0241

UNITED STATES TESTING COMPANY, INC.
UNITECH SERVICES GROUP-WESTERN DIVISION
3536 Oakdale Road, Modesto, CA 95355
Larry Weigel Phone: 209-527-2271

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
02/M01	ASTM C31	Making and Curing Concrete Test Specimens in the Field
02/M03	ASTM C172	Sampling Fresh Concrete
02/P01	ASTM C143	Slump of Portland Cement Concrete
02/W01	ASTM C138	Unit Weight, Yield, and Air Content (Gravimetric) of Concrete
02/A01	ASTM C231	Air Content of Freshly Mixed Concrete by the Pressure Method
02/S01	ASTM C39	Compressive Strength of Cylindrical Concrete Specimens
02/A02	ASTM C173	Air Content of Freshly Mixed Concrete by the Volumetric Method

NVLAP LAB CODE 0243

CUSTOM COATING, INC.
204 West Industrial Blvd., Dalton, GA 30720
Mike Calhoun Phone: 404-277-3778

Accreditation Renewal Date: April 1, 1986

NVLAP Code	Designation	Short Title
03/F03	16 CFR Part 1630 (FF 1-70) Sec. 1630.4	Surface Flammability Test Procedure

NVLAP LAB CODE 0244

NORTHWEST TESTING LABORATORIES, INC.
P.O. Box 17126, Portland, OR 97217
Don Cave Phone: 503-282-0708

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Short Title	Section of UL 737 5th Edition (March 1, 1982)	Section of UL 1482 2nd Edition (January 24, 1983)
	PHYSICAL/FIRE TEST GROUP (04/F00)		
04/F01	Test Installation	8	8
04/F02	Temperature Measurement	9	9
04/F04	Radiant Fire Test	11	11
04/F05	Coal Fire Test		14
04/F06	Brand Fire Test	12	12
04/F07	Flash Fire Test	13	13
04/F08	Strength Tests	15	16
04/F09	Stability Test	16	16
04/F10	Glazing Test	14	15
	MOBILE HOME TEST GROUP (04/M00)		
04/M01	Test Installation	17	17
04/M02	Toxic Gas	17	17
04/M03	Drop Test	17	17
	ELECTRICAL TEST GROUP (04/E00)		
04/E01	Test Voltages	33	33
04/E02	Temperature Measurements, Electrical Components	34	34
04/E03	Input Test	35	35
04/E04	Temperature Test, Electrical Components	36	36
04/E05	Leakage Current	38	38
04/E06	Dielectric Withstand	37	37
04/E07	Locked Rotor (Stalled Motor) Temperature	39	39
04/E08	Power Cord Strain Relief	40	40

NVLAP LAB CODE 0245

R. F. GEISSER & ASSOCIATES, INC.
120 Pershing Street, P.O. Box 4526, East Providence, RI 02914
Bryon R. Holmes Phone: 401-438-7320

Accreditation Renewal Date: January 1, 1987

PHYSICAL/FIRE TEST GROUP

NVLAP Code	Short Title	Section of UL 737 5th Edition (November 9, 1982)	Section of UL 1482 2nd Edition (January 24, 1983)
04/F01	Test Installation	8	8
04/F02	Temperature Measurement	9	9
04/F04	Radiant Fire Test	11	11
04/F05	Coal Fire Test		14
04/F06	Brand Fire Test	12	12
04/F07	Flash Fire Test	13	13
04/F08	Strength Tests	15	16
04/F09	Stability Test	16	16
04/F10	Glazing Test	14	15

NVLAP Code	Short Title	Section of CSA Standard B 366.2-M1984 (ULC s627-M1984) (April, 1984)
04/F11	Test Installation	7.2
04/F12	Temperature Measurement	7.3
04/F14	Radiant Fire Test	7.5
04/F16	Brand Fire Test	7.6
04/F17	Flash Fire Test	7.7
04/F18	Strength Tests	7.12
04/F19	Stability Test	7.10
04/F20	Glazing Test	7.11

MOBILE HOME TEST GROUP

NVLAP Code	Short Title	Section of UL 737 5th Edition (November 9, 1982)	Section of UL 1482 2nd Edition (January 24, 1983)
04/M01	Test Installation	17	17
04/M02	Toxic Gas	17	17
04/M03	Drop Test	17	17

NVLAP Code	Short Title	Section of CSA Standard B 366.2-M1984 (ULC s627-M1984) (April, 1984)
04/M04	Test Installation	12
04/M05	Toxic Gas	12
04/M06	Drop Test	12

ELECTRICAL TEST GROUP

NVLAP Code	Short Title	Section of UL 737 5th Edition (November 9, 1982)	Section of UL 1482 2nd Edition (January 24, 1983)
04/E01	Test Voltages	33	33
04/E02	Temperature Measurements, Electrical Components	34	34
04/E03	Input Test	35	35

04/E04	Temperature Test, Electrical Components	36	36
04/E05	Leakage Current	38	38
04/E06	Dielectric Withstand	37	37
04/E07	Locked Rotor (Stalled Motor) Temperature	39	39
04/E08	Power Cord Strain Relief	40	40

		Section of CSA C 22.2 No. 3 1979	Section of CSA C 22. 2 No. 113 1982
04/E09	Tem erature Measurements, Electrical Components	6.2	6.4
04/E10	Temperature Test, Electrical Components	6.2	6.4
04/E11	Leakage Current		6.8
04/E12	Dielectric Withstand	6.3	6.5
04/E13	Power Cord Strain Relief	6.4	6.9

NVLAP LAB CODE 0246

STOVE TESTING LAB INTERNATIONAL, INC.
1200 West Eighth Street, P.O. Box 3804, Vancouver, WA 98662
Sharon Conrad Telephone: 206-695-6666

Accreditation Renewal Date: July 1, 1986

NVLAP Code	Short Title	Section of UL 737 5th Edition (March 1, 1982)	Section of UL 1482 2nd Edition (January 24, 1983)
	PHYSICAL/FIRE TEST GROUP (04/F00)		
04/F01	Test Installation	8	8
04/F02	Temperature Measurement	9	9
04/F04	Radiant Fire Test	11	11
04/F05	Coal Fire Test		14
04/F06	Brand Fire Test	12	12
04/F07	Flash Fire Test	13	13
04/F08	Strength Tests	15	16
04/F09	Stability Test	16	16
04/F10	Glazing Test	14	15
	MOBILE HOME TEST GROUP (04/M00)		
04/M01	Test Installation	17	17
04/M02	Toxic Gas	17	17
04/M03	Drop Test	17	17
	ELECTRICAL TEST GROUP (04/E00)		
04/E01	Test Voltages	33	33
04/E02	Temperature Measurements, Electrical Components	34	34
04/E03	Input Test	35	35

04/E04	Temperature Test, Electrical Components	36	36
04/E05	Leakage Current	38	38
04/E06	Dielectric Withstand	37	37
04/E07	Locked Rotor (Stalled Motor) Temperature	39	39
04/E08	Power Cord Strain Relief	40	40

NVLAP LAB CODE 0247

HOLLYTEX CARPET MILL, INC.
505 N.E. Seventh Street, P.O. Box 369, Anadarko, OK 73005
Darlene McIntire Phone: 405-247-6641

Accreditation Renewal Date: April 1, 1986

NVLAP Code	Designation	Short Title
03/C02	AATCC 8	Colorfastness to Crocking
03/S01	ASTM D1335	Tuft Bind of Floor Coverings
	Federal Test Method Standard 191-5100	Textile Test Method - Breaking Strength
	191-5950	Textile Test Method - Delamination
03/F03	16 CFR Part 1630 (FF 1-70)	Surface Flammability
	Sec. 1630.4	Test Procedure

NVLAP LAB CODE 0248

KNAUF FIBER GLASS RESEARCH LABORATORIES
240 Elizabeth Street, Shelbyville, IN 46176
Kerry Van Arsdel Phone: 317-398-4434

Accreditation Renewal Date: April 1, 1986

NVLAP Code	Designation	Short Title
01/D02	ASTM C167	Thickness and density; Blanket and batt
01/D08	ASTM C302	Density; Preformed pipe insulation
01/D09	ASTM C303	Density; Preformed block insulation
01/D11	ASTM C356	Linear shrinkage; Soaking heat; Preformed high temperature insulation
01/D12	ASTM C411	Hot-surface performance; High temperature insulation
01/D13	ASTM C519	Density; Loose-fill (fibrous)
01/S01	ASTM C165	Compressive properties; Thermal insulation (proc. A)
01/T01	ASTM C177	Thermal transmission properties; Low-temperature guarded hot plate
01/T05	ASTM C335	Thermal conductivity; Pipe insulation
01/T06	ASTM C518	Thermal transmission properties; Heat flow meter
01/T09	ASTM C653	Thermal resistance (Rec. Practice); Blanket (mineral fiber)
01/T10	ASTM C687	Thermal resistance (Rec. Practice); Loose-fill (fibrous)

NVLAP LAB CODE 0249

WARNOCK HERSEY INTERNATIONAL, INC.
8612 Fairway Place, Middleton, WI 53562
James J. Husom Phone: 608-836-4400

Accreditation Renewal Date: January 1, 1987

PHYSICAL/FIRE TEST GROUP

NVLAP Code	Short Title	Section of UL 737 5th Edition (November 9, 1982)	Section of UL 1482 2nd Edition (January 24, 1983)
04/F01	Test Installation	8	8
04/F02	Temperature Measurement	9	9
04/F04	Radiant Fire Test	11	11
04/F05	Coal Fire Test		14
04/F06	Brand Fire Test	12	12
04/F07	Flash Fire Test	13	13
04/F08	Strength Tests	15	16
04/F09	Stability Test	16	16
04/F10	Glazing Test	14	15

NVLAP Code	Short Title	Section of CSA Standard B 366.2-M1984 (ULC s627-M1984) (April, 1984)
04/F11	Test Installation	7.2
04/F12	Temperature Measurement	7.3
04/F14	Radiant Fire Test	7.5
04/F16	Brand Fire Test	7.6
04/F17	Flash Fire Test	7.7
04/F18	Strength Tests	7.12
04/F19	Stability Test	7.10
04/F20	Glazing Test	7.11

MOBILE HOME TEST GROUP

NVLAP Code	Short Title	Section of UL 737 5th Edition (November 9, 1982)	Section of UL 1482 2nd Edition (January 24, 1983)
04/M01	Test Installation	17	17
04/M02	Toxic Gas	17	17
04/M03	Drop Test	17	17

NVLAP Code	Short Title	Section of CSA Standard B 366.2-M1984 (ULC s627-M1984) (April, 1984)
04/M04	Test Installation	12
04/M05	Toxic Gas	12
04/M06	Drop Test	12

ELECTRICAL TEST GROUP

NVLAP Code	Short Title	Section of UL 737 5th Edition (November 9, 1982)	Section of UL 1482 2nd Edition (January 24, 1983)
04/E01	Test Voltages	33	33
04/E02	Temperature Measurements, Electrical Components	34	34
04/E03	Input Test	35	35

04/E04	Temperature Test, Electrical Components	36	36
04/E05	Leakage Current	38	38
04/E06	Dielectric Withstand	37	37
04/E07	Locked Rotor (Stalled Motor) Temperature	39	39
04/E08	Power Cord Strain Relief	40	40

		Section of CSA C 22.2 No. 3 1979	Section of CSA C 22. 2 No. 113 1982
04/E09	Temperature Measurements, Electrical Components	6.2	6.4
04/E10	Temperature Test, Electrical Components	6.2	6.4
04/E11	Leakage Current		6.8
04/E12	Dielectric Withstand	6.3	6.5
04/E13	Power Cord Strain Relief	6.4	6.9

PARTICULATE EMISSIONS AND THERMODYNAMIC PERFORMANCE GROUP

ASTM P180

04/G01	Particulate Emissions Characteristics Tests
04/G02	Flue-loss Thermodynamic Performance Tests

NVLAP LAB CODE 0250

W. R. GRACE & COMPANY
THERMAL MEASUREMENTS LABORATORY
62 Whittemore Avenue, Cambridge, MA 02140
Gregory Derderian Phone: 617-876-1400

Accreditation Renewal Date: April 1, 1986

NVLAP Code	Designation	Short Title
01/D09	ASTM C303	Density; Preformed block insulation
01/D14	ASTM C520	Density; Granular loose-fill
01/T04	ASTM C236	Thermal conductance; Guarded hot box
01/T06	ASTM C518	Thermal transmission properties; Heat flow meter

NVLAP LAB CODE 0251

STATE OF CALIFORNIA BUREAU OF HOME FURNISHINGS
INSULATION PROGRAM
3485 Orange Grove Avenue, North Highlands, CA 95660
Sarfraz A. Siddiqui Phone: 916-920-7005

Accreditation Renewal Date: July 1, 1986

NVLAP Code	Designation	Short Title
01/C02	HH-I-515 (para. 4.8.5 in D version, Amendment 1)	Corrosiveness; Cellulosic fiber (loose-fill)

01/D26	HH-I-515 (para. 4.8.1 in D version, Amendment 1)	Settled density; Cellulosic fiber (loose-fill)
01/F07	HH-I-515 (para. 4.8.7 in D version, Amendment 1)	Critical radiant flux; Radiant Panel (cellulosic fiber, loose-fill)
01/F08	HH-I-515 (para. 4.8.8 in D version, Amendment 1)	Smoldering combustion; Cellulosic fiber (loose-fill)
01/T06	ASTM C518	Thermal transmission properties; Heat flow meter

NVLAP LAB CODE 0252

D/L LABORATORIES
116 East 16th Street, New York, NY 10003
Saul Spindel Phone: 212-777-4410

Accreditation Renewal Date: October 1, 1986

NVLAP Code	Designation	Short Title

Paints and Related Coatings and Materials

Measurements of Intrinsic Physical Properties

09/A01	ASTM D56	Flash Point by Tag Closed Tester
09/A02	ASTM D93	Flash Point by Pensky-Martens Closed Tester, Method A & B
09/A03	ASTM D153	Specific Gravity of Pigments
09/A04	ASTM D185	Coarse Particles in Pigments, Pastes and Paints
09/A05	ASTM D281	Oil Absorption of Pigments by Spatula Rub-Out
09/A07	ASTM D523	Specular Gloss
09/A08	ASTM D562	Consistency of Paints Using the Stormer Viscometer Procedure A & B
09/A09	ASTM D1005	Dry Film Thickness of Organic Coatings
09/A10	ASTM D1186	Dry Film Thickness of Non-magnetic Coatings Applied to a Ferrous Base, Method A & B
09/A11	ASTM D1200	Viscosity of Paints, Varnishes, and Lacquers by Ford Viscosity Cup
09/A12	ASTM D1210	Fineness of Dispersion of Pigment-Vehicle Systems
09/A13	ASTM D1212	Wet Film Thickness of Organic Coatings, Method A
09/A14	ASTM D1296	Odor of Volatile Solvents and Diluents
09/A15	ASTM D1310	Flash-Point of Liquids by Tag Open-Cup Apparatus
09/A16	ASTM D1400	Dry Film Thickness of Non-conductive Coatings Applied to a Nonferrous Metal Base
09/A17	ASTM D1475	Density of Paint, Varnish, Lacquer, and Related Products
09/A18	ASTM D1544	Color of Transparent Liquids (Gardner Color Scale)
09/A19	ASTM D1729	Visual Evaluation of Color Differences of Opaque Materials
09/A20	ASTM D2244	Instrumental Evaluation of Color Difference of Opaque Materials
09/A21	ASTM D3278	Flash Point of Liquids by Setaflash Closed Tester Method A & B
09/A22	ASTM D3363	Film Hardness by Pencil Test
09/A23	ASTM D3793	Low-Temperature Coalescence of Latex Paint Films
09/A24	ASTM D4061	Specific Luminance of Horizontal Coatings
09/A25	ASTM D4212	Viscosity by Dip-Type Viscosity Cups

09/A26	ASTM E97	45- deg, 0-deg Directional Reflectance Factor of Opaque Specimens by Broad-Band Filter Reflectometry
D9/A27	ASTM E3D8	Spectrophotometry and Description of Color in CIE 1931 System
D9/A28	ASTM E313	Indexes of Whiteness and Yellowness of Near-White Opaque Materials

Measurements of Performance and Performance Change

09/BD1	ASTM D279	Bleeding of Pigments, Method A & B
09/B02	ASTM D332	Tinting Strength of White Pigments, Method A
D9/BD3	ASTM D344	Relative Dry Hiding Power of Paints
09/B04	ASTM D61D	Rusting on Painted Steel Surfaces
09/BD5	ASTM D659	Chalking of Exterior Paints
09/B06	ASTM D66D	Checking of Exterior Paints
09/BD7	ASTM D661	Cracking of Exterior Paints
D9/B08	ASTM D662	Erosion of Exterior Paints
D9/B09	ASTM D711	No-Pick-Up Time of Traffic Paint
09/B1D	ASTM D714	Blistering of Paints
D9/B11	ASTM D772	Flaking (Scaling) of Exterior Paints
09/B12	ASTM D821	Abrasion, Erosion or a Combination of Both in Road Service Tests of Traffic Paints
D9/B13	ASTM D868	Bleeding of Traffic Paint
09/B14	ASTM D869	Settling of Traffic Paint
D9/B15	ASTM D87D	Water Immersion Test of Organic Coatings on Steel
09/B16	ASTM D913	Chipping of Traffic Paint
09/B17	ASTM D968	Abrasion Resistance of Drganic Coatings by the Falling Abrasive Tester, Method A & B
D9/B18	ASTM D969	Bleeding of Traffic Paint
09/B19	ASTM D1308	Effect of Household Chemicals on Clear and
D9/B2D	ASTM D1309	Settling Properties of Traffic Paint During
09/B23	ASTM D1640	Drying, Curing, or Film Formation of Organic
D9/B24	ASTM D1737	Elongation of Attached Drganic Coatings with Cylindrical Mandrel Apparatus
09/B25	ASTM D2197	Adhesion of Drganic Coatings, Method A
D9/B26	ASTM D2243	Freeze-Thaw Resistance of Latex and Emulsion Paints
09/B27	ASTM D2248	Detergent Resistance of Organic Finishes
D9/B29	ASTM D2486	Scrub Resistance of Interior Latex Flat Wall Paints
09/B30	ASTM D2801	Leveling Characteristics of Paints by Draw-Down Method
D9/B31	ASTM D2805	Hiding Power of Paints
D9/B32	ASTM D3273	Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber
D9/B33	ASTM D3274	Surface Disfigurement of Paint Films by Fungal Growth or Soil and Dirt Accumulation
09/B34	ASTM D3450	Washability Properties of Interior Architectural Coatings
D9/B35	ASTM D3456	Susceptability of Paint Films to Microbioligical Attack
D9/B37	ASTM D406D	Abrasion Resistance of Organic Coatings by the Taber Abraser
D9/B38	ASTM D4062	Leveling of Paints by Draw-Down Method
D9/B39	ASTM D4213	Wet Abrasion Resistance of Interior Paint by Weight Loss
09/B40	ASTM D4214	Chalking of Exterior Paint Films, Method A, B, C, D & E
D9/B41	Fed. Std. 141 Method 4494	Sag Test (Multinotch Blade)
09/B42	Fed. Std. 141 Method 4061	Drying Time

Measurement of Chemical Properties and Compositions

D9/C02	ASTM D95	Water in Petroleum Products and Bituminous Materials by Distillation

09/C06	ASTM D1078	Distillation Range of Volatile Organic Liquids
09/C07	ASTM D1133	Kauri-Butanol Value of Hydro-carbon Solvents
09/C08	ASTM D1208	Common Properties of Certain Pigments
09/C09	ASTM D1259	Nonvolatile Content of Resin Solutions, Method A & B
09/C11	ASTM D1353	Nonvolatile Matter in Volatile Solvents for Use in Paint, Varnish, Lacquer and Related Products
09/C12	ASTM D1364	Water in Volatile Solvents (Fischer Reagent Titration Method)
09/C22	ASTM D1644	Nonvolatile Content of Varnishes, Methods A & B
09/C26	ASTM D2369	Volatile Content of Paints, Procedure A & B
09/C27	ASTM D2371	Pigment Content of Solvent-Type Paints
09/C28	ASTM D2697	Volume Nonvolatile Matter in Clear or Pigmented Coatings
09/C29	ASTM D2698	Pigment Content Of Solvent-Type Paints by High-Speed Centrifuging
09/C30	ASTM D2832	Nonvolatile Content of Paint and Paint Materials
09/C37	ASTM D3723	Pigment Content of Water-Emulsion Paints by Low-Temperature Ashing
09/C39	ASTM D3960	Volatile Organic Contents (VOC) of Paints and Related Coatings
09/C40	ASTM D4017	Water in Paints and Paint Materials by Karl Fischer Method

Test Sample Conditioning and Preparation

09/D01	ASTM B117	Salt Spray (Fog) Testing
09/D02	ASTM D609	Preparation of Steel Panels for Testing Paints Varnish, Lacquer, and Related Products, Method A, B, C, & D
09/D03	ASTM D822	Operating Light-and-Water-Exposure Apparatus (Carbon-Arc Type) for Testing Paint, Varnish, Lacquer, and Related Products
09/D04	ASTM D823	Producing Films of Uniform Thickness of Paint Varnish, Lacquer, and Related Products on Test Panels, Method B & D
09/D05	ASTM D1006	Exterior Exposure Tests of Paints on Wood
09/D06	ASTM D1014	Exterior Exposure Tests of Paints on Steel, Method A, B, D, E, & F
09/D07	ASTM D1654	Painted or Coated Specimens Subjected to Corrosive Environments, Procedures A & B
09/D10	ASTM D2247	Coated Metal Specimens at 100% Relative Humidity
09/D11	ASTM D2372	Separation of Vehicle Solvent-Type Paints
09/D13	ASTM D3924	Standard Environment for Conditioning and Testing Paint, Varnish, Lacquer, and Related Materials
09/D14	ASTM G23	Operating Light-Exposure Apparatus (Carbon-Arc Type) With and Without Water for Exposure of Nonmetallic Materials, Method 1, 2, 3, & 4
09/D16	ASTM G53	Operating Light- and Water-Exposure Apparatus (Fluorescent UV-Condensation Type) for Exposure of Nonmetallic Materials

13/001	ASTM C-510	Staining and Color Change
13/002	ASTM C-603	Extrusion Rate and Application Life
13/003	ASTM C-639	Rheological (Flow) Properties
13/004	ASTM C-661	Indentation Hardness by Durometer
13/005	ASTM C-679	Tack-Free Time
13/006	ASTM C-681	Volatility
13/007	ASTM C-711	Low-Temperature Flexibility and Tenacity
13/008	ASTM C-712	Bubbling
13/009	ASTM C-713	Slump
13/010	ASTM C-718	UV-Cold Box Exposure
13/011	ASTM C-719	Adhesion and Cohesion Under Cyclic Movement
13/012	ASTM C-731	Extrudibility, After Package Aging
13/013	ASTM C-732	Aging Effects of Artificial Weathering
13/014	ASTM C-733	Volume Shrinkage
13/015	ASTM C-734	Low-Temperature Flexibility After Artificial Weathering

13/016	ASTM C-736	Extension-Recovery and Adhesion After Artificial Weathering
13/017	ASTM C-741	Accelerated Aging
13/018	ASTM C-742	Degree of Set
13/019	ASTM C-792	Effects of Heat Aging on Weight Loss, Cracking, and Chalking
13/020	ASTM C-793	Effects of Accelerated Weathering
13/021	ASTM C-794	Adhesion-in-Peel
13/022	ASTM C-910	Bond and Cohesion
13/023	ASTM D-2202	Slump
13/024	ASTM D-2203	Staining
13/025	ASTM D-2376	Slump
13/026	ASTM D-2377	Tack-Free Time
13/027	ASTM D-2450	Bond
13/028	ASTM D-2451	Degree of Set
13/029	ASTM D-2452	Extrudibility
13/030	ASTM D-2453	Shrinkage and Tenacity

NVLAP LAB CODE 0255

UNDERWRITERS LABORATORIES INC.
1285 Walt Whitman Road, Melville, NY 11747
R. W. Miller Phone: 516-271-6200

Accreditation Renewal Date: October 1, 1986

NVLAP Code	Designation	Short Title
03/F03	16 CFR Part 1630 (FF 1-70) Section 1630.4	Surface Flammability Test Procedure
03/F04	ASTM E648	Radiant Panel (Carpet)

NVLAP LAB CODE 0256

WESTERN ELECTRO-ACOUSTIC LABORATORY, INC.
1711 16th Street, Santa Monica, CA 90404
Jose C. Ortega Phone: 213-870-9268

Accreditation Renewal Date: April 1, 1986

NVLAP Code	Designation	Short Title
08/P03	ASTM C423-84a	Sound Absorption and Sound Absorption Coefficients
08/P06	ASTM E90-83	Airborne Sound Transmission Loss of Building Partitions

NVLAP LAB CODE 0257

GAI CONSULTANTS, INC.
570 Beatty Road, Monroeville, PA 15146
Charles T. Ford Phone: 412-856-6400

Accreditation Renewal Date: April 1, 1986

NVLAP Code	Designation	Short Title
02/M01	ASTM C31	Making and Curing Concrete Test Specimens in the Field
02/M03	ASTM C172	Sampling Fresh Concrete
02/P01	ASTM C143	Slump of Portland Cement Concrete
02/W01	ASTM C138	Unit Weight, Yield, and Air Content (Gravimetric) of Concrete
02/A01	ASTM C231	Air Content of Freshly Mixed Concrete by the Pressure Method
02/S01	ASTM C39	Compressive Strength of Cylindrical Concrete Specimens
02/A02	ASTM C173	Air Content of Freshly Mixed Concrete by the Volumetric Method

NVLAP LAB CODE 0258

THE CELOTEX CORPORATION, TRACY PLANT
400 West Gandy Dancer Drive, P.O. Box 1500, Tracy, CA 95376
Robert E. Herrell Phone: 209-836-4440

Accreditation Renewal Date: July 1, 1986

NVLAP Code	Designation	Short Title
01/T06	ASTM C518	Thermal transmission properties; Heat flow meter

NVLAP LAB CODE 0259

MACMILLAN BLOEDEL INC.
TECHNICAL DEPARTMENT TESTING LABORATORIES
P.O. Box 336, Pine Hill, AL 36769
G. S. Overstreet Phone: 205-963-4391

Accreditation Renewal Date: July 1, 1986

NVLAP Code	Test Method Designation	Short Title
		Paper and Related Products
		Paper and Paperboard
09/E02	TAPPI T402-OM	Standard Conditioning and ASTM D685 Testing Atmospheres for Paper, Board, Pulp Handsheets and Related Products
09/E03	TAPPI T403-OS ASTM D774	Bursting Strength of Paper
09/E05	TAPPI T410-OM	Grammage of Paper and Paper-board (Weight per Unit Area)
09/E06	TAPPI T411-OM	Thickness (Caliper) of Paper and Paperboard
09/E07	TAPPI T412-OM ASTM D644	Moisture in Paper and Paperboard
09/E08	TAPPI T414-OM	Internal Tearing Resistance of Paper ASTM D689
09/E10	TAPPI T435-OM	Hydrogen Ion Concentration (pH) of Paper Extracts-(Hot Extraction Method)
09/E12	TAPPI T459-OM ASTM D2482	Surface Strength of Paper (Wax Pick Test)
09/E13	TAPPI T460-OM ASTM D726	Air Resistance of Paper
09/E17	TAPPI T494-OM	Tensile Breaking Properties of Paper and Paperboard (Using Constant Rate of Elongation Apparatus)
09/E19	TAPPI T538-PM	Sheffield Smoothness of Paper and Paperboard (air Flow Method)
09/E20	TAPPI T809-OM	Flat Crush of Corrugating Medium (CMT Test)
09/E21	TAPPI T818-OM ASTM D1164	Ring Crush of Paperboard
		Packaging
09/H01	ASTM D642	Compression Test for Shipping Containers
09/H23	TAPPI T6880M	Total Wax Content of Corrugated Paperboard
09/H24	TAPPI T8020S	Drop Test for Fiberboard Shipping Containers
09/H25	TAPPI T8030M	Puncture and Stiffness Test of Container Board
09/H26	TAPPI Useful Method 807	Wet Shear Adhesion Test of Corrugated Fiberboard (MBR)
09/H27	TAPPI T8080S	Flat Crush Test of Corrugated Board
09/H28	TAPPI T8100M	Bursting Strength of Corrugated and Solid Fiberboard
09/H29	TAPPI T8110S	Edgewise Compressive Strength of Corrugated Fiberboard (Short Column Test)
09/H30	TAPPI T821PM	Pin Adhesion of Corrguated Board by Selective Separation

NVLAP LAB CODE 0260

BASF STYROPOR TECHNICAL CENTER
Cranbury and South River Road, Jamesburg, NJ 08831
Mark C. Braemer Phone: 201-521-1600

Accreditation Renewal Date: October 1, 1986

NVLAP Code	Designation	Short Title
01/S02	ASTM C203	Breaking load/flexural strength; Preformed block insulation
01/S11	ASTM D1621	Compressive properties; Rigid cellular plastics (proc. A-Crosshead)
01/T06	ASTM C518	Thermal transmission properties; Heat flow meter

NVLAP LAB CODE 0261

RADCO (RESOURCES APPLICATIONS,
DESIGNS & CONTROLS, INC.)
16415 South Avalon Blvd., Gardena, CA 90248
Ronald I. Ogawa Phone: 213-532-3842

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title
01/D07	ASTM C272	Water absorption; Core materials
01/D09	ASTM C303	Density; Preformed block insulation
01/D21	ASTM D2126	Response to thermal and humid aging (proc. E); Rigid cellular plastics
01/D27	ASTM D2126	Response to thermal and humid aging (proc. C); Rigid cellular plastics
01/D29	California Energy Commission tests for insulating materials: Installed compressed thickness	
01/S01	ASTM C165	Compressive properties; Thermal insulation (proc. A)
01/S02	ASTM C203	Breaking load/flexural strength; Preformed block insulation
01/S09	ASTM D781	Puncture test; Paperboard and fiberboard
01/S10	ASTM D828	Tensile breaking strength; Paper and paperboard
01/S11	ASTM D1621	Compressive properties; Rigid cellular plastics (proc. A-Crosshead)
01/T06	ASTM C518	Thermal transmission properties; Heat flow meter
01/V04	ASTM E96	Water vapor transmission; Thin sheets (proc. A)

NVLAP LAB CODE 0263

WHITTAKER ANALYTICAL SERVICES
1231 South Lincoln Street, P.O. Box 825, Colton, CA 92324
Edward J. Holzrichter Phone: 714-825-6292

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Test Method Designation	Short Title
		Paints and Related Coatings and Materials
		Measurements of Intrinsic Physical Properties
09/A04	ASTM D185	Coarse Particles in Pigments, Pastes and Paints
09/A05	ASTM D281	Oil Absorption of Pigments by Spatula Rub-Out
09/A07	ASTM D523	Specular Gloss
09/A09	ASTM D1005	Dry Film Thickness of Organic Coatings
09/A11	ASTM D1200	Viscosity of Paints, Varnishes, and Lacquers by Ford Viscosity Cup
09/A12	ASTM D1210	Fineness of Dispersion of Pigment-Vehicle Systems
09/A16	ASTM D1400	Dry Film Thickness of Non-conductive Coatings Applied to a Nonferrous Metal Base
09/A17	ASTM D1475	Density of Paint, Varnish, Lacquer, and Related Products
09/A18	ASTM D1544	Color of Transparent Liquids (Gardner Color Scale)
09/A19	ASTM D1729	Visual Evaluation of Color Differences of Opaque Materials
09/A20	ASTM D2244	Instrumental Evaluation of Color Difference of Opaque Materials
09/A21	ASTM D3278	Flash Point of Liquids by Setaflash Closed Tester, Methods A & B
09/A22	ASTM D3363	Film Hardness by Pencil Test
09/A25	ASTM D4212	Viscosity by Dip-Type Viscosity Cups
09/A26	ASTM E97	45- deg, 0-deg Directional Reflectance Factor of Opaque Specimens by Broad-Band Filter Reflectometry
09/A28	ASTM E313	Indexes of Whiteness and Yellowness of Near-White Opaque Materials
		Measurements of Performance and Performance Change
09/B05	ASTM D659	Chalking of Exterior Paints
09/B06	ASTM D660	Checking of Exterior Paints
09/B07	ASTM D661	Cracking of Exterior Paints
09/B08	ASTM D662	Erosion of Exterior Paints
09/B10	ASTM D714	Blistering of Paints
09/B11	ASTM D772	Flaking (Scaling) of Exterior Paints
09/B12	ASTM D821	Abrasion, Erosion or a Combination of Both in Road Service Tests of Traffic Paints
09/B14	ASTM D869	Settling of Traffic Paint
09/B15	ASTM D870	Water Immersion Test of Organic Coatings on Steel
09/B16	ASTM D913	Chipping of Traffic Paint
09/B17	ASTM D968	Abrasion Resistance of Organic Coatings by the Falling Abrasive Tester, Methods A & B
09/B18	ASTM D969	Bleeding of Traffic Paint
09/B20	ASTM D1309	Settling Properties of Traffic Paint During
09/B23	ASTM D1640	Drying, Curing, or Film Formation of Organic
09/B24	ASTM D1737	Elongation of Attached Organic Coatings with Cylindrical Mandrel Apparatus
09/B25	ASTM D2197	Adhesion of Organic Coatings, Method B
09/B27	ASTM D2248	Detergent Resistance of Organic Finishes
09/B31	ASTM D2805	Hiding Power of Paints
09/B33	ASTM D3274	Surface Disfigurement of Paint Films by Fungal Growth or Soil and Dirt Accumulation

09/B37	ASTM D4060	Abrasion Resistance of Organic Coatings by the Taber Abraser
09/B40	ASTM D4214	Chalking of Exterior Paint Films, Methods A, B, C, & D
09/B41	Fed. Std. 141 Method 4494	Sag Test (Multinotch Blade)
09/B42	Fed. Std. 141 Method 4061	Drying Time

Measurement of Chemical Properties and Compositions

09/C02	ASTM D95	Water in Petroleum Products and Bituminous Materials by Distillation
09/C04	ASTM D563	Phthalic Anhydride Content of Alkyd Resins and Resin Solutions
09/C06	ASTM D1078	Distillation Range of Volatile Organic Liquids
09/C07	ASTM D1133	Kauri-Butanol Value of Hydro-carbon Solvents
09/C09	ASTM D1259	Nonvolatile Content of Resin Solutions, Methods A & B
09/C10	ASTM D1306	Phthalic Anhydride Content of Alkyd Resins and Esters Containing Other Dibasic Acids (Gravimetric)
09/C11	ASTM D1353	Nonvolatile Matter in Volatile Solvents for Use in Paint, Varnish, Lacquer and Related Products
09/C14	ASTM D1397	Unsaponifiable Matter in Alkyd Resins and Resins Solutions
09/C15	ASTM D1398	Fatty Acid Content of Alkyd Resins and Alkyd Resin Solutions, Methods A & B
09/C17	ASTM D1467	Fatty Acids Used in Protective Coatings
09/C20	ASTM D1613	Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish, Lacquer and Related Products
09/C21	ASTM D1639	Acid Value of Organic Coating Materials
09/C22	ASTM D1644	Nonvolatile Content of Varnishes, Methods A & B
09/C23	ASTM D1652	Epoxy Content of Epoxy Resins
09/C26	ASTM D2369	Volatile Content of Paints, Procedures A & B
09/C27	ASTM D2371	Pigment Content of Solvent-Type Paints
09/C29	ASTM D2698	Pigment Content Of Solvent-Type Paints by High-Speed Centrifuging
09/C30	ASTM D2832	Nonvolatile Content of Paint and Paint Materials
09/C31	ASTM D3009	Composition of Turpentine by Gas Chromatography
09/C32	ASTM D3271	Direct Injection of Solvent-Base Paints into a Gas Chromatograph for Solvent Analysis
09/C34	ASTM D3335	Low Concentrations of Lead, Cadmium, and Cobalt in Paint by Atomic Absorption Spectroscopy
09/C35	ASTM D3624	Low Concentrations of Mercury in Paint by Atomic Absorption Spectroscopy
09/C36	ASTM D3718	Low Concentrations of Chromium in Paint by Atomic Absorption Spectroscopy
09/C39	ASTM D3960	Volatile Organic Contents (VOC) of Paints and Related Coatings

Test Sample Conditioning and Preparation

09/D01	ASTM B117	Salt Spray (Fog) Testing
09/D07	ASTM D1654	Painted or Coated Specimens Subjected to Corrosive Environments, Procedures A & B
09/D10	ASTM D2247	Coated Metal Specimens at 100% Relative Humidity
09/D11	ASTM D2372	Separation of Vehicle Solvent-Type Paints
09/D16	ASTM G53	Operating Light- and Water-Exposure Apparatus (Fluorescent UV-Condensation Type) for Exposure of Nonmetallic Materials

NVLAP LAB CODE 0264

SHELTON RESEARCH, INC.
1517 Pacheco Street, P.O. Box 5235, Santa Fe, NM 87502
Jay W. Shelton Phone: 505-983-9457

Accreditation Renewal Date: January 1, 1987

PHYSICAL/FIRE TEST GROUP

NVLAP Code	Short Title	Section of UL 737 5th Edition (November 9, 1982)	Section of UL 1482 2nd Edition (January 24, 1983)
04/F01	Test Installation	8	8
04/F02	Temperature Measurement	9	9
04/F04	Radiant Fire Test	11	11
04/F05	Coal Fire Test		14
04/F06	Brand Fire Test	12	12
04/F07	Flash Fire Test	13	13
04/F08	Strength Tests	15	16
04/F09	Stability Test	16	16
04/F10	Glazing Test	14	15

ELECTRICAL TEST GROUP

NVLAP Code	Short Title	Section of UL 737 5th Edition (November 9, 1982)	Section of UL 1482 2nd Edition (January 24, 1983)
04/E01	Test Voltages	33	33
04/E02	Temperature Measurements, Electrical Components	34	34
04/E03	Input Test	35	35
04/E04	Temperature Test, Electrical Components	36	36
04/E05	Leakage Current	38	38
04/E06	Dielectric Withstand	37	37
04/E07	Locked Rotor (Stalled Motor) Temperature	39	39
04/E08	Power Cord Strain Relief	40	40

PARTICULATE EMISSIONS AND THERMODYNAMIC PERFORMANCE GROUP

ASTM P180

01/G01	Particulate Emissions Characteristics Tests
01/G02	Flue-loss Thermodynamic Performance Tests
01/G03	Room Calorimeter Thermodynamics Performance Tests

NVLAP LAB CODE 0266

UNITED STATES TESTING COMPANY, INC.
CHEMICAL SERVICES DIVISION
1415 Park Avenue, Hoboken, NJ 07030
G. Neil Spokes Phone: 201-792-2400

Accreditation Renewal Date: January 1, 1987

NVLAP Code	Designation	Short Title

Paints and Related Coatings and Materials

Measurements of Intrinsic Physical Properties

09/A01	ASTM D56	Flash Point by Tag Closed Tester
09/A02	ASTM D93	Flash Point by Pensky-Martens Closed Tester, Methods A & B
09/A03	ASTM D153	Specific Gravity of Pigments
09/A04	ASTM D185	Coarse Particles in Pigments, Pastes and Paints
09/A05	ASTM D281	Oil Absorption of Pigments by Spatula Rub-Out
09/A07	ASTM D523	Specular Gloss
09/A08	ASTM D562	Consistency of Paints Using the Stormer Viscometer Procedures A & B
09/A11	ASTM D1200	Viscosity of Paints, Varnishes, and Lacquers by Ford Viscosity Cup
09/A12	ASTM D1210	Fineness of Dispersion of Pigment-Vehicle Systems
09/A13	ASTM D1212	Wet Film Thickness of Organic Coatings, Methods A & B
09/A15	ASTM D1310	Flash-Point of Liquids by Tag Open-Cup Apparatus
09/A16	ASTM D1400	Dry Film Thickness of Non-conductive Coatings Applied to a Nonferrous Metal Base
09/A17	ASTM D1475	Density of Paint, Varnish, Lacquer, and Related Products
09/A20	ASTM D2244	Instrumental Evaluation of Color Difference of Opaque Materials
09/A21	ASTM D3278	Flash Point of Liquids by Setaflash Closed Tester, Methods A & B
09/A22	ASTM D3363	Film Hardness by Pencil Test
09/A25	ASTM D4212	Viscosity by Dip-Type Viscosity Cups

Measurements of Performance and Performance Change

09/B04	ASTM D610	Rusting on Painted Steel Surfaces
09/B05	ASTM D659	Chalking of Exterior Paints
09/B06	ASTM D660	Checking of Exterior Paints
09/B07	ASTM D661	Cracking of Exterior Paints
09/B08	ASTM D662	Erosion of Exterior Paints
09/B10	ASTM D714	Blistering of Paints
09/B11	ASTM D772	Flaking (Scaling) of Exterior Paints
09/B12	ASTM D821	Abrasion, Erosion or a Combination of Both in Road Service Tests of Traffic Paints
09/B13	ASTM D868	Bleeding of Traffic Paint
09/B15	ASTM D870	Water Immersion Test of Organic Coatings on Steel
09/B16	ASTM D913	Chipping of Traffic Paint
09/B17	ASTM D968	Abrasion Resistance of Organic Coatings by the Falling Abrasive Tester, Methods A & B
09/B19	ASTM D1308	Effect of Household Chemicals on Clear and
09/B21	ASTM D1360	Fire-Retardancy of Paints (Cabinet Method)
09/B23	ASTM D1640	Drying, Curing, or Film Formation of Organic
09/B24	ASTM D1737	Elongation of Attached Organic Coatings with Cylindrical Mandrel Apparatus
09/B25	ASTM D2197	Adhesion of Organic Coatings, Methods A & B
09/B26	ASTM D2243	Freeze-Thaw Resistance of Latex and Emulsion Paints
09/B27	ASTM D2248	Detergent Resistance of Organic Finishes
09/B29	ASTM D2486	Scrub Resistance of Interior Latex Flat Wall Paints
09/B30	ASTM D2801	Leveling Characteristics of Paints by Draw-Down Method
09/B33	ASTM D3274	Surface Disfigurement of Paint Films by Fungal Growth or Soil and Dirt Accumulation
09/B34	ASTM D3450	Washability Properties of Interior Architectural Coatings
09/B37	ASTM D4060	Abrasion Resistance of Organic Coatings by the Taber Abraser
09/B40	ASTM D4214	Chalking of Exterior Paint Films, Methods A, B, C, D, & E
09/B41	Fed. Std. 141 Method 4494	Sag Test (Multinotch Blade)
09/B42	Fed. Std. 141 Method 4061	Drying Time

Measurement of Chemical Properties and Compositions

09/C02	ASTM D95	Water in Petroleum Products and Bituminous Materials by Distillation
09/C06	ASTM D1078	Distillation Range of Volatile Organic Liquids
09/C09	ASTM D1259	Nonvolatile Content of Resin Solutions, Methods A & B
09/C11	ASTM D1353	Nonvolatile Matter in Volatile Solvents for Use in Paint, Varnish, Lacquer and Related Products
09/C12	ASTM D1364	Water in Volatile Solvents (Fischer Reagent Titration Method)
09/C15	ASTM D1398	Fatty Acid Content of Alkyd Resins and Alkyd Resin Solutions, Methods A & B
09/C19	ASTM D1541	Total Iodine Value of Drying Oils and Their Derivatives
09/C20	ASTM D1613	Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish, Lacquer and Related Products
09/C21	ASTM D1639	Acid Value of Organic Coating Materials
09/C22	ASTM D1644	Nonvolatile Content of Varnishes, Methods A & B
09/C23	ASTM D1652	Epoxy Content of Epoxy Resins
09/C24	ASTM D2075	Iodine Value of Fatty Amines, Amidoamines, and Diamines
09/C25	ASTM D2076	Acid Value and Amine Value of Fatty Quaternary Ammonium Chlorides
09/C26	ASTM D2369	Volatile Content of Paints, Procedures A & B
09/C27	ASTM D2371	Pigment Content of Solvent-Type Paints
09/C28	ASTM D2697	Volume Nonvolatile Matter in Clear or Pigmented Coatings
09/C29	ASTM D2698	Pigment Content Of Solvent-Type Paints by High-Speed Centrifuging
09/C31	ASTM D3009	Composition of Turpentine by Gas Chromatography
09/C32	ASTM D3271	Direct Injection of Solvent-Base Paints into a Gas Chromatograph for Solvent Analysis
09/C33	ASTM D3272	Vacuum Distillation of Solvents from Solvent-Base Paints for Analysis
09/C37	ASTM D3723	Pigment Content of Water-Emulsion Paints by Low-Temperature Ashing
09/C38	ASTM D3792	Water Content of Waterborne Paints by Direct Injection into a Gas Chromatograph
09/C39	ASTM D3960	Volatile Organic Contents (VOC) of Paints and Related Coatings
09/C40	ASTM D4017	Water in Paints and Paint Materials by Karl Fischer Method

Test Sample Conditioning and Preparation

09/D01	ASTM B117	Salt Spray (Fog) Testing
09/D02	ASTM D609	Preparation of Steel Panels for Testing Paints Varnish, Lacquer, and Related Products, Methods A, B, C, & D
09/D04	ASTM D823	Producing Films of Uniform Thickness of Paint Varnish, Lacquer, and Related Products on Test Panels, Method B
09/D07	ASTM D1654	Painted or Coated Specimens Subjected to Corrosive Environments, Procedures A & B
09/D08	ASTM D1730	Preparation of Aluminum and Aluminum-Alloy Surfaces for Painting, Types A & B
09/D11	ASTM D2372	Separation of Vehicle Solvent-Type Paints
09/D13	ASTM D3924	Standard Environment for Conditioning and Testing Paint, Varnish, Lacquer, and Related Materials
09/D16	ASTM G53	Operating Light- and Water-Exposure Apparatus (Fluorescent UV-Condensation Type) for Exposure of Nonmetallic Materials

NVLAP LAB CODE 0501

BALTIMORE GAS & ELECTRIC COMPANY, CALVERT CLIFFS NUCLEAR POWER PLANT
NUCLEAR POWER DEPARTMENT, DOSIMETRY UNIT
RADIATION SAFETY SECTION
Lusby, MD 20657
Eugene T. Reimer Phone: 301-269-4716

Accreditation Renewal Date: October 1, 1986

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710A and Panasonic Manual reader UD702A.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Panasonic TLD model UD802 for ANSI-N13.11 categories I, II, III, IV, V, VI, VII, VIII.

NVLAP LAB CODE 0502

UNION ELECTRIC COMPANY
CALLAWAY PLANT
P.O. Box 620, Fulton, MO 65251
Ron Roselius Phone: 314-676-8321

Accreditation Renewal Date: April 1, 1987

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710A and Panasonic Manual reader UD702E.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Panasonic TLD model UD802 for ANSI-N13.11 categories II, VI, VII, VIII.

NVLAP LAB CODE 0503

MALLINCKRODT DIAGNOSTICS, INC.
2703 Wagner Place, Maryland Heights, MO 63043
Mark Doruff Phone: 314-344-3981

Accreditation Renewal Date: October 1, 1986

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Harshaw Automatic readers model 2000B and 2000D.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Harshaw TLD model 100 for ANSI-N13.11 category VII.

NVLAP LAB CODE 0504

NAVAL MEDICAL COMMAND
NATIONAL CAPITAL REGION
RADIATION SAFETY DEPARTMENT
Bethesda, MD 20814
Eric E. Kearsley Phone: 202-295-5414

Accreditation Renewal Date: October 1, 1986

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing a Harshaw Automatic reader model 2271 and Manual film processing using a Macbeth densitometer.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Harshaw TLD Albedo (1 TLD 600, 1 TLD 700) for ANSI-N13.11 categories II, IV, VIII.

Film Badge (Kodak Type 3) for ANSI-N13.11 Categories II, III, IV, V, VI, VII.

NVLAP LAB CODE 0505

DUKE POWER COMPANY, DOSIMETRY LABORATORY
Physical Sciences Building
Route 4, Box 531, Huntersville, NC 28078
Wanda M. Carter Phone: 704-875-1971

Accreditation Renewal Date: April 1, 1987

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing Teledyne Automatic readers model 9100 and 9150, and Teledyne Manual readers model 8300 and 8310.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Teledyne TLD model BP3 for ANSI-N13.11 categories II, IV, V, VII.

NVLAP LAB CODE 0506

SOUTHERN CALIFORNIA EDISON
SAN ONOFRE NUCLEAR GENERATING STATION
P.O. Box 128, San Clemente, CA 92672
Kathryn H. Swoope Phone: 714-492-7700

Accreditation Renewal Date: October 1, 1986

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710A.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Panasonic TLD model UD802-AS2 for ANSI-N13.11 categories I, II, III, IV, V, VI, VII.

NVLAP LAB CODE 0507

U.S. ENVIRONMENTAL PROTECTION AGENCY
NUCLEAR RADIATION ASSESSMENT DIVISION
P.O. Box 15027, Las Vegas, NV 89114
Jaci L. Hopper Phone: 702-798-2320

Accreditation Renewal Date: October 1, 1986

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Harshaw Automatic reader model 2271.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Harshaw TLD Model TL-200 for ANSI-N13.11 categories II, IV.

NVLAP LAB CODE 0508

NEW YORK POWER AUTHORITY
INDIAN POINT UNIT NO. 3 NUCLEAR POWER PLANT
P.O. Box 215, Buchanan, NY 10511
Thomas Labenski Phone: 914-739-8200

Accreditation Renewal Date: October 1, 1986

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710B and Panasonic Manual reader UD702E.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Panasonic TLD model UD806AQ for ANSI-N13.11 categories I, II, III, IV, V, VI, VII.

NVLAP LAB CODE 0509

NAVAL RESEARCH LABORATORY
Code 6073, Washington, DC 20375
Kirk J. King Phone: 202-767-2232

Accreditation Renewal Date: January 1, 1987

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Harshaw Automatic reader model 2271.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

NRL Radiation Badge for ANSI-N13.11 categories II, III, IV, VI, VIII.

NVLAP LAB CODE 0510

GENERAL PUBLIC UTILITIES NUCLEAR CORPORATION
DIVISION OF RADIOLOGICAL & ENVIRONMENTAL CONTROLS
Route 441 South, P.O. Box 480, Middletown, PA 17057
O. Ronald Perry Phone: 717-948-8595

Accreditation Renewal Date: October 1, 1986

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Panasonic TLD model UD802-2 for ANSI-N13.11 categories I, II, III, IV, V, VI, VII, and Panasonic TLD model UD802-2N for ANSI-N13.11 categories IV, VIII.

NVLAP LAB CODE 0511

NEW YORK POWER AUTHORITY
JAMES A. FITZPATRICK NUCLEAR POWER PLANT
P.O. Box 41, Lycoming, NY 13093
Dr. David A. Dooley Phone: 315-342-3840

Accreditation Renewal Date: October 1, 1986

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710A.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Panasonic TLD model UD801 for ANSI-N13.11 categories II, IV, VI, VII.

NVLAP LAB CODE 0512

RADIATION DETECTION COMPANY
162 Wolfe Road, P.O. Box 1414, Sunnyvale, CA 94088
Richard H. Holden Phone: 408-735-8700

Accreditation Renewal Date: October 1, 1986

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing (1) modified CON RAD readers; (2) Teledyne 7100 reader; (3) Teledyne 7300 reader; (4) Harshaw 3000 reader; (5) Victoreen 2800 reader; (6) by manual film processing and reading on a Macbeth TD502 densitometer; or (7) Tracketch, NTA manual optical readers.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Designation	Process	ANSI N13.11 Categories
Hi Energy TLD	1	III, IV
Beta TLD	1,3*	V, VII
Lo Energy TLD	1,3*	I, III, VI

TLD Albedo	3*,6	VIII
Film XBG	6	I, II, III, IV, V, VI, VII
Film XBGN	6,7	VIII
Neutron Tracketch	7	VIII

* Processes listed above 2, 4, and 5 are considered functionally acceptable as substitutes which can be used in lieu of process 3 as listed above.

NVLAP LAB CODE 0514

ROCHESTER GAS & ELECTRIC CORP.
R.E. GINNA NUCLEAR POWER PLANT
1503 Lake Road, Ontario, NY 14519
Bernard R. Quinn Phone: 315-524-4446

Accreditation Renewal Date: October 1, 1987

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710A and Panasonic Manual reader UD702A..

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Panasonic TLD model UD802 for ANSI-N13.11 categories I, II, III, IV, V, VI, VII, VIII.

NVLAP LAB CODE 0515

EBERLINE SERVICES DIVISION
DOSIMETRY DEPARTMENT
P.O. Box 2108, Santa Fe, NM 87501
Nels Johnson Phone: 505-345-9931

Accreditation Renewal Date: October 1, 1986

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Eberline Manual reader TLR-6.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Eberline TLD (2 or 3 Harshaw TLD 100 chips) for ANSI-N13.11 categories I, II, III, IV, V, VI, VII, VIII.

NVLAP LAB CODE 0516

TENNESSEE VALLEY AUTHORITY, DOSIMETRY LABORATORY
WESTERN AREA RADIOLOGICAL LABORATORY
Muscle Shoals, AL 35660
S. Glenn Bugg Phone: 205-386-2075

Accreditation Renewal Date: April 1, 1987

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing a Panasonic Automatic reader model UD710A and Panasonic Manual reader UD702A.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Panasonic TLD model UD802 for ANSI-N13.11 categories I, II, III, IV, V, VI, VII, VIII.

The following sites are included in the accreditation as sub-facilities of the above listed main facility and are accredited for the same equipment and dosimeter listed.

Browns Ferry Nuclear Plant, Decatur, Alabama
Watts Bar Nuclear Plant, Spring City, Tennessee
Sequoyah Nuclear Plant, Daisy, Tennessee

NVLAP LAB CODE 0517

CAROLINA POWER & LIGHT COMPANY
HARRIS ENERGY & ENVIRONMENTAL CENTER
Route 1, Box 327, New Hill, NC 27562
Stephen A. Browne Phone: 919-362-3212

Accreditation Renewal Date: October 1, 1986

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710A and Panasonic Manual reader UD702E.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Panasonic TLD model UD802AQ for ANSI-N13.11 categories I, II, III, IV, V, VI, VII, VIII.

The following sites are included in the accreditation as sub-facilities of the above listed main facility. These sub-facilities are accredited by virtue of using identical equipment and procedures as indicated above.

Robinson Nuclear Plant, Hartsville, South Carolina
Brunswick Nuclear Plant, Southport, South Carolina

NVLAP LAB CODE 0518

R.S. LANDAUER JR. & COMPANY
Glenwood Science Park, 2 Science Park, Glenwood, IL 60425
Craig Yoder Phone: 312-755-7000

Accreditation Renewal Date: October 1, 1986

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing (1) automatic film reader Tech/Ops model 1; (2) Harshaw Atlas Hotgas reader; (3) Harshaw 2271 reader; (4) NTA/Polycarbonate /CR-39 manual optical readers; or (5) manual densitometers X-Rite, Tech/Ops model 301, Macbeth model TD504.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Landauer designation		Process	ANSI N13.11 Category
	Film		
G -	Film "GARDRAY"	1,5	I, II, III, IV, V, VI, VII
P -	G badge plus NTA	1,4,5	VIII
A -	G badge plus polycarbonate	1,4	VIII
	TLD		
L -	4 chip "GARDRAY"	2	I, II, III, IV, V, VI, VII
D -	3 Harshaw 700 chips	3	II, IV, V, VII
I -	Neutrak ER	3,4	VIII

The facility is accredited to process the following dosimeters which have been deemed functionally acceptable by virtue of using identical techniques and equipment to process combinations of elements demonstrated above.

Landauer designation		Process	ANSI N13.11 Category
	Film		
B -	G badge plus CR-39	1,4,5	I through VIII
C -	G badge plus CR-39 and Cadmium	1,4,5	I through VIII
P -	G badge plus NTA	1,4,5	I, II, III, IV, V, VI, VII, VIII
H -	G badge plus NTA and Cadmium	1,4,5	I through VIII
A -	G badge plus polycarbonate	1,4,5	I, II, III, IV, V, VI, VII, VIII
J -	G badge plus polycarbonate and Cadmium	1,4,5	I through VII
Y -	G badge plus Cadmium	1,4,5	I, III
R -	G badge plus ER	1,3,4,5	I, II, III, IV, V, VI, VII, VIII
Q -	DEX-RAY	1,4,5	I, III
	TLD		
F -	L badge plus CR-39	2,4	I through VIII
-	L badge plus polycarbonate	2,4	I through VIII
-	L badge plus ER	2,3,4	I through VIII
T -	2 chip	2	II, IV, V, VII

The following sites are included in the accreditation as sub-facilities of the above listed main facility.

The following sub-facilities are accredited to process the Landauer "D" badge employing a Harshaw 2271 automatic TLD reader for ANSI N13.11 categories II, IV, V, VII which have been deemed functionally acceptable by virtue of using identical techniques and procedures as demonstrated above for the items specified.

R.S. Landauer, Jr. & Company Nuclear Station System (NSS) sites at:

Boston Edison Company, Pilgrim Station, Plymouth, Massachusetts
Alabama Power, Farley Nuclear Plant, Ashford, Alabama

The following sub-facilities are accredited to perform limited volume, emergency response processing employing either a Harshaw 3000 manual reader or manual film processing techniques for the following badges:

G -	Film "GARDRAY"	ANSI N13.11 Categories	I, II, III, IV, V, VI, VII
L -	TLD 4 chip "GARDRAY"	ANSI N13.11 Categories	I, II, III, IV, V, VI, VII
T -	TLD 2 chip	ANSI N13.11 Categories	II, IV, V, VII

R. S. Landauer, Jr. & Company Offices: El Segundo, California; Houston, Texas; Burlington, Massachusetts; and East Brunswick, New Jersey.

The following sub-facility is accredited to process (4 Chip TLD 700 (L.F.) Harshaw card used with a Harshaw Type 80 Holder the Landauer NSS/PPSL dosimeter) employing a Harshaw automatic reader type 2276 or a manual type 2000A or B by virtue of actual demonstration of compliance with ANSI N13.11-1983 through testing in Categories I, II, III, IV, V, VI, VII.

Pennsylvania Power & Light-N.S.S., 2 North Ninth Street, Allentown, PA 18101

NVLAP LAB CODE 0519

HOUSTON LIGHTING & POWER COMPANY, MANAGING PARTNER
SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION
P.O. Box 1700, Houston, TX 77059
Gene R. Jarvela Phone: 512-972-3651

Accreditation Renewal Date: October 1, 1986

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710A.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Panasonic TLD Model UD801 for ANSI-N13.11 category IV.

NVLAP LAB CODE 0520

VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA POWER STATION
P.O. Box 402, Mineral, VA 23117
Russell R. Irwin Phone: 703-894-5151

Accreditation Renewal Date: October 1, 1986

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing Teledyne Automatic readers model 9100 and 9150, and Teledyne Manual readers model 8300 and 8310.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Teledyne TLD model BP3 for ANSI-N13.11 categories II, IV, V, VII.

NVLAP LAB CODE 0521

DUQUESNE LIGHT COMPANY
NUCLEAR DIVISION - BEAVER VALLEY POWER STATION
P.O. Box 4, Shippingport, PA 15077
Robert M. Vento Phone: 412-393-5722

Accreditation Renewal Date: October 1, 1987

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710A.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Panasonic TLD model UD812 for ANSI-N13.11 categories I, II, III, IV, V, VI, VII.

NVLAP LAB CODE 0522

CONSUMERS POWER COMPANY
PERSONNEL DOSIMETRY LABORATORY
1945 Parnall Road, Jackson, MI 49201
Theodore Allen Phone: 517-788-2340

Accreditation Renewal Date: October 1, 1986

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Teledyne Automatic reader model 9100.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Teledyne TLD model BG for ANSI-N13.11 categories II, IV, V, VII.

Teledyne TLD model BGN for ANSI-N13.11 category VIII.

NVLAP LAB CODE 0523

VIRGINIA ELECTRIC & POWER COMPANY
SURRY POWER STATION
P.O. Box 315, Surry, VA 23883
Dean Densmore Phone: 804-357-3184

Accreditation Renewal Date: January 1, 1987

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing Teledyne Automatic readers model 9100 and 9150, and Teledyne Manual reader model 8300.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Teledyne TLD model PB3 for ANSI-N13.11 categories II, IV, V, VII.

NVLAP LAB CODE 0524

YANKEE ATOMIC ELECTRIC COMPANY
1671 Worcester Road, Framingham, MA 01701
Stephen T. Bard Phone: 617-872-8100

Accreditation Renewal Date: October 1, 1986

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Harshaw Automatic reader model 2271.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Harshaw TLD model BGN for ANSI-N13.11 categories I, II, III, IV, V, VI, VII, and VIII.

NVLAP LAB CODE 0525

OMAHA PUBLIC POWER DISTRICT
1623 Harney Street, Omaha, NE 68102
Marilyn Hawes Phone: 402-536-4696

Accreditation Renewal Date: April 1, 1987

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Harshaw Automatic reader model 2000B and a Harshaw Manual reader model 2000C.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Harshaw TLD model BG for ANSI-N13.11 categories II, IV, V, VII, and Harshaw TLD model GBN for ANSI-N13.11 category VIII.

NVLAP LAB CODE 0526

KANSAS GAS AND ELECTRIC COMPANY
WOLF CREEK GENERATING STATION
P.O. Box 309, Burlington, KS 66839
Mike Nichols Phone: 316-364-8831

Accreditation Renewal Date: January 1, 1987

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710A and manual reader 702E.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Panasonic TLD model UD802 for ANSI-N13.11 categories II, IV, V, VII, VIII.

NVLAP LAB CODE 0528

TEXAS UTILITIES GENERATING COMPANY
COMANCHE PEAK STEAM ELECTRIC STATION
P.O. Box 2300, Glen Rose, TX 76043
John J. O'Donnell Phone: 817-897-4856

Accreditation Renewal Date: July 1, 1987

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710A and Panasonic Manual reader UD702E.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Panasonic TLD model UD802 for ANSI-N13.11 categories I, II, III, IV, V, VI, VII, VIII.

NVLAP LAB CODE 0529

DETROIT EDISON COMPANY
HEALTH PHYSICS/DOSIMETRY
6400 North Dixie Highway, Newport, MI 48166
Robert Koback Phone: 313-586-1037

Accreditation Renewal Date: October 1, 1987

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710A and Panasonic Manual reader UD702A.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Panasonic TLD model UD802 for ANSI-N13.11 categories III, IV, V, VI, VII, VIII.

NVLAP LAB CODE 0530

LOUISIANA POWER AND LIGHT COMPANY
WATERFORD 3 STEAM ELECTRIC STATION
P.O. Box B, Killona, LA 70066
Ronald C. McLendon Phone: 504-464-3269

Accreditation Renewal Date: October 1, 1987

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710A and Panasonic Manual reader UD702E.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Panasonic TLD model UD802 for ANSI-N13.11 categories I, II, III, IV, V, VI, VII, VIII.

NVLAP LAB CODE 0531

PUBLIC SERVICE ELECTRIC AND GAS COMPANY
NUCLEAR DEPARTMENT - RADIATION PROTECTION SERVICES
P.O. Box 236, Hancocks Bridge, NJ 08038
Jeffrey L. Kotsch Phone: 609-339-4568

Accreditation Renewal Date: October 1, 1987

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Panasonic TLD model UD802 for ANSI-N13.11 categories I, II, III, IV, V, VI, VII, VIII.

NVLAP LAB CODE 0532

SIEMENS GAMMASONICS, INC.
2000 Nuclear Drive, Des Plaines, IL 60018
Robert W. Pollock Phone: 312-635-3396

Accreditation Renewal Date: January 1, 1988

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Harshaw Atlas reader and Manual film processing using a custom densitometer.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Siemens TLD (3 TLD 100, LiF. chips) for ANSI-N13.11 Categories I, II, III, IV, V, VI, VII.

Siemens Film Badge (Kodak Type 3, CR-39) for ANSI-N13.11 Categories III, IV, V, VI, VII, VIII.

NVLAP LAB CODE 0533

TELEDYNE ISOTOPES
50 Van Buren Avenue, Westwood, NJ 07675
George Ascione Phone: 201-664-7070

Accreditation Renewal Date: October 1, 1987

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing Teledyne Automatic readers model 9100 and 9150, and Teledyne Manual readers model 8300 and 7300.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Teledyne TLD model PB3 for ANSI-N13.11 categories I, II, III, IV, V, VI, VII, VIII,

and

Teledyne TLD model PB2 for ANSI-N13.11 categories I, II, III, IV, V, VI, VII, VIII.

NVLAP LAB CODE 0534

GULF STATES UTILITIES - RIVER BEND STATION
DOSIMETRY GROUP
P.O. Box 220, St. Francisville, LA 70775
Dwight M. Ross Phone: 504-635-6094

Accreditation Renewal Date: July 1, 1987

This facility has been evaluated and deemed competent to process the radiation dosimeter listed below through employing a Panasonic Automatic reader model UD710A.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Panasonic TLD model UD802 for ANSI-N13.11 categories I, II, III, IV, V, VI, VII, VIII.

NVLAP LAB CODE 0536

ARIZONA NUCLEAR POWER PROJECT-PVNGS
P.O. Box 21666, Station 6075, Phoenix, AZ 85036
Michael W. Lantz Phone: 602-932-5300

Accreditation Renewal Date: October 1, 1987

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing a Panasonic Automatic reader model UD710A and Panasonic Manual reader UD720.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Panasonic TLD model UD812 for ANSI-N13.11 categories I, II, III, IV, V, VI, VII.

Panasonic TLD combination UD809 and UD812 for ANSI-N13.11 category VIII.

NVLAP LAB CODE 0537

PACIFIC GAS AND ELECTRIC
DIABLO CANYON POWER PLANT
Box 337, Avila Beach, CA 93424
Don Jones Phone: 805-595-7448

Accreditation Renewal Date: October 1, 1987

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing a Panasonic Automatic reader model UD710A and Panasonic Manual reader UD702E.

This facility is accredited to process the following dosimeters by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Panasonic TLD model UD802 for ANSI-N13.11 categories II, III, IV, V, VI, VII, VIII,

and

Panasonic TLD model UD813/802 for ANSI-N13.11 category VIII.

NVLAP LAB CODE 0539

U.S. ARMY IONIZING RADIATION DOSIMETRY CENTER
Attn: AMXTM-CE-DC, Lexington, KY 40511
A. Edward Abney Phone: 606-293-3249

Accreditation Renewal Date: January 1, 1988

This facility has been evaluated and deemed competent to process the radiation dosimeters listed below through employing Manual film processing and using a Macbeth model TD-504 densitometer.

This facility is accredited to process the following dosimeter by virtue of actual demonstration of compliance with ANSI-N13.11-1983 through testing.

Film Badge (Kodak Type 3) for ANSI-N13.11 Categories I, II, III, IV, V, VI, VII.

Film Badge (Kodak Type A) for ANSI-N13.11 Category VIII.

NATIONAL VOLUNTARY LABORATORY ACCREDITATION PROGRAM PROCEDURES

(Title 15, Part 7, of the Code of Federal Regulations)

Subpart A - General Information

Sec.

Subpart B - Establishing a LAP

Subpart C - Accrediting a Laboratory

Subpart D - Conditions and Criteria for Accreditation

AUTHORITY: Sec. 2, 31 Stat 1449 as amended (15 U.S.C. 272); Reorg. Plan No. 3 of 1946, Part VI.

SUBPART A - GENERAL INFORMATION

Sec. 7.1 Purpose.

The purpose of Part 7 is to set out procedures under which the National Voluntary Laboratory Accreditation Program (NVLAP) will function.

Sec. 7.2 Description and goal of NVLAP.

(a) NVLAP is a system for accrediting testing laboratories found competent to perform specific tests or types of tests. Competence is defined as the ability of a laboratory to meet the NVLAP conditions (Section 7.32) and to conform to the criteria (Section 7.33) as tailored and interpreted for the test methods, types of test methods, products, services, or standards for which the laboratory seeks accreditation.

(b) NVLAP is a voluntary system which:
(1) Provides national recognition for competent laboratories;
(2) Provides laboratory management with a quality assurance check of the performance of their laboratories;
(3) Identifies competent laboratories for use by regulatory agencies, purchasing authorities, and product certification systems; and
(4) Provides laboratories with guidance from technical experts to aid them in reaching a higher level of performance resulting in the generation of improved engineering and product information.

(c) NVLAP is comprised of a series of laboratory accreditation programs (LAPs) which are established on the basis of requests and demonstrated need. The specific test methods, types of test methods, products, services, or standards to be included in a LAP must be requested. The Director of the National Bureau of Standards (NBS) does not unilaterally propose or decide the scope of a LAP. Communication with other laboratory accreditation systems is fostered to encourage development of common criteria and approaches to accreditation and to promote the domestic, foreign, and international acceptance of test data produced by the accredited laboratories.

(d) NVLAP is carried out to be compatible with and recognized by domestic, foreign, and international systems for laboratory accreditation so as to enhance the universal acceptance of test data produced by NVLAP-accredited laboratories.

Sec. 7.3 Layout of Procedures.

Subpart A describes considerations which relate in general to all aspects of NVLAP. Subpart B describes how new LAPs are requested, developed and announced, and how LAPs are terminated. Subpart C describes procedures for accrediting laboratories. Subpart D sets out the conditions and criteria for NVLAP accreditation.

Sec. 7.4 Definitions.

Accreditation criteria means a set of requirements used by an accrediting body which a laboratory must meet to be accredited.
Advisory Committee means the National Laboratory Accreditation Advisory Committee.
Director of NBS means the Director of the National Bureau of Standards or designee.
Director of OPSP means the Director of the NBS Office of Product Standards Policy or designee.
Laboratory accreditation is a formal recognition that a testing laboratory is competent to carry out specific tests or types of tests.
Laboratory assessment means the on-site examination of a testing laboratory to evaluate its compliance with specified criteria.
LAP means a laboratory accreditation program established and administered under NVLAP.
NBS means the National Bureau of Standards.
NVLAP means the National Voluntary Laboratory Accreditation Program.
OPSP means the NBS Office of Product Standards Policy.
Person means associations, companies, corporations, educational institutions, firms, government agencies at the federal, state and local level, partnerships, and societies-- as well as divisions thereof--and individuals.
Product means a type or a category of manufactured goods, constructions, installations, and natural and processed materials, or those associated services whose characterization, classification, or functional performance is specified by standards or test methods.

Proficiency testing means methods of checking laboratory testing performance by means of interlaboratory tests.
Testing laboratory is a laboratory which measures, examines, tests, calibrates or otherwise determines the characteristics or performance of products.
Traceability of the accuracy of measuring instruments is a documented chain of comparison connecting the accuracy of a measuring instrument to other measuring instruments of higher accuracy and ultimately to a primary standard.

Sec. 7.5 Establishment and Functions of a National Laboratory Accreditation Advisory Committee.

(a) The Director of NBS shall establish a National Laboratory Accreditation Advisory Committee (Advisory Committee) and appoint its chairperson and members following the filing of a charter setting forth the purpose and nature of the committee.

(b) The composition of the Advisory Committee will be approximately as follows:
(1) One-third from federal, state and local governments;
(2) One-third from testing laboratories (independent, corporate, and academic); and
(3) One-third from users of testing laboratories, academia, consultants, and consumers.

(c) The Advisory Committee will be governed by the Federal Advisory Committee Act (5 U.S.C. App. 2). Persons selected to serve on the Advisory Committee may be paid travel expenses and per diem.

(d) The Advisory Committee shall function solely in an advisory capacity with functions to include the following:
(1) Assessing the future and continuing role of NVLAP and laboratory accreditation in terms of the changing requirements of industry and commerce;
(2) Advising on the technical requirements of testing laboratories and those served by the laboratories;
(3) Advising on the necessity and implementation of proposed amendments to the criteria referenced in Section 7.33;
(4) Evaluating the interaction of other laboratory accreditation systems with NVLAP; and
(5) Reviewing and giving recommendations on the development of international accreditation activities and assessing the impact of such activities on NVLAP.

(e) The Advisory Committee shall meet periodically as called upon by the Director of the NBS Office of Product Standards Policy (OPSP) or may be consulted through periodic mailings from the Director of OPSP.

Sec. 7.6 User information.

(a) The Director of OPSP shall prepare and publish at least once each year a directory of accredited laboratories.

(b) The Director of OPSP shall periodically prepare supplements to the directory of accredited laboratories covering new accreditation actions taken, including initial accreditations, renewals, suspensions, terminations, and revocations.

Sec. 7.7 Information Collection Requirements.

The information collection requirements contained in these procedures have been approved by the Office of Management and Budget under the Paperwork Reduction Act and have been assigned OMB control number 0652-0003.

SUBPART B - ESTABLISHING A LAP

Sec. 7.11 Requesting a LAP.

(a) Any person may request the Director of NBS to establish a LAP.

(b) Each request must be in writing and must include:
(1) The scope of the LAP in terms of products or testing services proposed for inclusion;
(2) Specific identification of the applicable standards and test methods including appropriate designations, and the organizations or standards writing bodies having responsibility for them;

(3) A statement of need for the LAP including:
(i) Technical and economic reasons why the LAP would benefit the public interest;
(ii) Evidence of a national need to accredit testing laboratories for the specific scope beyond that served by an existing laboratory accreditation program in the public or private sector;
(iii) An estimate of the number of laboratories that may seek accreditation; and
(iv) An estimate of the number and nature of the users of such laboratories; and
(4) A statement of the extent to which the requestor is willing to support necessary developmental aspects of the LAP with funding and personnel.

(c) The Director of OPSP may request clarification of the information required by paragraph (b) of this section.

(d) Before determining the need for a LAP, the Director of NBS shall publish a FEDERAL REGISTER notice of the receipt of a LAP request if the request complies with section 7.11(b). The notice will:
(1) Describe the scope of the requested LAP;
(2) Indicate how to obtain a copy of the request; and
(3) State that anyone may submit comments on the need for a LAP to the Director of OPSP within 60 days of the date of the notice.

Sec. 7.12 LAP development decision.

(a) The Director of NBS shall establish all LAPs on the basis of need. Government agencies and private sector organizations may establish the need by using Sections 7.13 and 7.14.

(b) After receipt of the request, the Director of NBS shall analyze it to determine if a need exists for the requested LAP. In making this determination, the Director of NBS shall consider the following:
(1) The needs and scope of the LAP initially requested;
(2) The needs and scope of the user population;
(3) The nature and content of other relevant public and private sector laboratory accreditation programs;
(4) Compatibility with the criteria referenced in Section 7.33;
(5) The importance of the requested LAP to commerce, consumer well-being, or the public health and safety;
(6) The economic and technical feasibility of accrediting testing laboratories for the test methods, types of test methods, products, services, or standards requested; and
(7) Recommendations from written comments for altering the scope of the requested LAP by adding or deleting test methods, types of test methods, products, services, or standards.

(c) If the Director of NBS decides that a need has been demonstrated, and if resources are available to develop a LAP, the Director of OPSP shall notify interested persons of the decision to proceed with development of a LAP.

(d) If the Director of NBS concludes that there is a need for a LAP but there are no resources for development, the Director of OPSP shall notify the requestor and other interested persons of the decision not to proceed until resources become available.

(e) If the Director of NBS decides that a need for a LAP has not been demonstrated, the Director of OPSP shall notify the requestor and other interested persons of the decision and the reasons not to proceed with development of a LAP.

Sec. 7.13 Request from a government agency.

(a) Any federal, state or local agency responsible for regulatory or public service programs established under statute or code, which has determined a need to accredit testing laboratories within the context of its programs, may request the Director of NBS to establish a LAP.

(b) Each request must be in writing and must include the information required in Section 7.11(b) and:
(1) A description of the procedures followed or a citation of the specific authority used to determine the need for a LAP; and
(2) For state and local government agencies, a statement of why the LAP should be of national scope.

(c) The Director of OPSP may request clarification of the information required by paragraph (b) of this section.

(d) Before deciding to proceed with development of a LAP, the Director of NBS shall publish a FEDERAL REGISTER notice of the receipt of a LAP request. The notice will indicate how to obtain a copy of the request and will state that anyone may submit comments on the need for a LAP to the requesting government agency within 60 days of the date of the notice.

(e) The Director of OPSP shall notify interested persons of the decision to proceed or not to proceed with development of a LAP.

Sec. 7.14 Request from a private sector organization.

(a) Any private sector organization which has determined a need to accredit testing laboratories for specific products or testing services, may request the Director of NBS to establish a LAP if it uses procedures meeting the following conditions:

(1) Public notice of meetings and other activities including requests for LAPs is provided in a timely fashion and is distributed to reach the attention of interested persons;
(2) Meetings are open and participation in activities is available to interested persons;
(3) Decisions reached by the private sector organization in the development of a request for a LAP represent substantial agreement of the interested persons;
(4) Prompt consideration is given to the expressed views and concerns of interested persons;
(5) Adequate and impartial mechanisms for handling substantive and procedural complaints and appeals are in place; and
(6) Appropriate records of all meetings are maintained and the official procedures used by the private sector organization to make a formal request for a LAP are made available upon request to any interested person.

(b) Each request must be in writing and must include the information required in Section 7.11(b) and a description of the way in which the organization has met the conditions specified in paragraph (a) of this section.

(c) The Director of OPSP may request clarification of the information required by paragraph (b) of this section.

(d) Before deciding to proceed with development of a LAP, the Director of NBS shall publish a FEDERAL REGISTER notice of the receipt of a LAP request. The notice will indicate how to obtain a copy of the request and will state that anyone may submit comments on the need for a LAP to the requesting private sector organization within 60 days of the date of the notice.

(e) The Director of OPSP shall notify interested persons of the decision to proceed or not to proceed with development of a LAP.

Sec. 7.15 Development of technical requirements.

(a) Technical requirements for accreditation are specific for each LAP. The requirements tailor the criteria referenced in Section 7.33 to the test methods, types of test methods, products, services, or standards covered by the LAP.

(b) The Director of OPSP shall develop the technical requirements based on expert advice. This advice may be obtained through one or more informal public workshops or other suitable means.

(c) The Director of OPSP shall make every reasonable effort to ensure that the affected testing community within the scope of the LAP is informed of any planned workshop. Summary minutes of each workshop will be prepared. A copy of the minutes will be made available for inspection and copying at the NBS Records Inspection Facility.

Sec. 7.16 Coordination with federal agencies.

As a means of assuring effective and meaningful cooperation, input, and participation by those federal agencies that may have an interest in and may be affected by established LAPs, the Director of OPSP shall communicate and consult with appropriate officials within those agencies.

Sec. 7.17 Announcing the establishment of a LAP.

(a) When the Director of OPSP has completed the development of the technical requirements of the LAP and established a schedule of fees for accreditation, the Director of OPSP shall publish a notice in the FEDERAL REGISTER announcing the establishment of the LAP.

(b) The notice will:

(1) Identify the scope of the LAP; and
(2) Advise how to apply for accreditation.

(c) The Director of OPSP shall establish fees in amounts that will enable the LAP to be self-sufficient. The Director of OPSP shall revise the fees when necessary to maintain self-sufficiency.

Sec. 7.18 Adding to an established LAP.

Written requests will be considered from any person wishing to add specific standards, test methods, or types of test methods to an established or developing LAP. The Director of OPSP may choose to make them available for accreditation under a LAP when:

(a) The additional standards, test methods, or types of test methods requested are directly relevant to the LAP;
(b) It is feasible and practical to accredit testing laboratories for the additional standards, test methods, or types of test methods; and
(c) It is likely that laboratories will seek accreditation for the additional standards, test methods, or types of test methods.

Sec. 7.19 Termination of a LAP.

(a) The Director of NBS may terminate a LAP when the Director of NBS determines that a need no longer exists to accredit testing laboratories for the products or testing services covered under the scope of the LAP. In the event that the Director of NBS proposes to terminate a LAP, a notice will be published in the FEDERAL REGISTER setting forth the basis for that determination.

(b) The notice published under paragraph (a) of this section will provide a 60-day period for submitting written comments on the proposal to terminate the LAP. All written comments will be made available for public inspection and copying in the NBS Records Inspection Facility.

(c) After the comment period, the Director of NBS shall determine if public support exists for the continuation of the LAP. If public comments support the continuation of the LAP, the Director of NBS shall publish a FEDERAL REGISTER notice announcing the continuation of the LAP. If public support does not exist for continuation, the LAP will be terminated effective 90 days after the date of the published notice of intent to terminate the LAP.

(d) If the LAP is terminated, the Director of OPSP shall no longer grant or renew accreditations following the effective date of termination. Accreditations previously granted will remain effective until their expiration date unless terminated voluntarily by the laboratory or revoked by the Director of OPSP.

SUBPART C - ACCREDITING A LABORATORY

Sec. 7.21 Applying for accreditation.

(a) Any laboratory may request an application for accreditation in any established LAPs in accordance with instructions provided in notices announcing the formal establishment of LAPs.

(b) Upon receipt of a laboratory's application, the Director of OPSP shall:
(1) Acknowledge receipt of the application;
(2) Request further information, if necessary;
(3) Confirm payment of fees before proceeding with the accreditation process; and
(4) Specify the next step(s) in the accreditation process.

(c) In accepting an application from a foreign-based laboratory, the Director of OPSP shall take into consideration the policy of the host government regarding the acceptance of test data from laboratories accredited by NVLAP or other foreign accreditation systems.

Sec. 7.22 Assessing and evaluating a laboratory.

(a) Information used to evaluate a laboratory's compliance with the conditions for accreditation set out in Section 7.32, the criteria for accreditation set out in Section 7.33, and the technical requirements established for each LAP will include:
(1) On-site assessment reports;
(2) Laboratory responses to identified deficiencies; and
(3) Laboratory performance on proficiency tests.

(b) The Director of OPSP shall arrange the assessment and evaluation of applicant laboratories by contract or other means in such a way as to minimize potential conflicts of interest.

(c) The Director of OPSP shall inform each applicant laboratory of any action(s) that the laboratory must take to complete the requirements for assessment and evaluation.

Sec. 7.23 Granting and renewing accreditation.

(a) The Director of OPSP, after reviewing an evaluation report, shall grant or renew, suspend, or propose to deny or revoke accreditation of an applicant laboratory, no later than 30 days following the date of submittal of the report. If accreditation action is not taken within this time limit, the Director of OPSP shall notify the laboratory stating the reasons for the delay.

(b) If accreditation is granted or renewed, the Director of OPSP shall:
(1) Provide a certificate of accreditation to the laboratory;
(2) Identify the scope and terms of the laboratory's accreditation;
(3) Provide guidance on referencing the laboratory's accredited status, and the use of the NVLAP logo by the laboratory and its clients, as needed; and
(4) Remind the laboratory that accreditation does not relieve it from complying with applicable federal, state, and local laws and regulations.

(c) The Director of OPSP shall notify an accredited laboratory at least 30 days before its accreditation expires advising of the action(s) the laboratory must take to renew its accreditation.

(d) If an accredited laboratory fails to complete the assessment and evaluation process for renewal before its accreditation expires, the Director of OPSP shall notify the laboratory stating that its accreditation has expired and reiterating the action(s) the laboratory must take to renew its accreditation.

Sec. 7.24 Denying, suspending, and revoking accreditation.

(a) If the Director of OPSP proposes to deny or revoke accreditation of a laboratory, the Director of OPSP shall inform the laboratory of the reasons for the proposed denial or revocation and the procedure for appealing such a decision.

(b) The laboratory will have 30 days from the date of receipt of the proposed denial or revocation letter to request a hearing under the provisions of 5 U.S.C. 556. If the laboratory requests a hearing, the proposed denial or revocation will be stayed pending the outcome of the hearing held under provisions of 5 U.S.C. 556. The proposed denial or revocation will become final through the issuance of a written decision to the laboratory in the event that the laboratory does not appeal the proposed denial or revocation within that 30-day period.

(c) If the Director of OPSP finds that an accredited laboratory has violated the terms of its accreditation or the provisions of these procedures, the Director of OPSP may, after consultation with the laboratory, suspend the laboratory's accreditation, or advise of his/her intent to revoke its accreditation. If accreditation is suspended, the Director of OPSP shall notify the laboratory of that action stating the reasons for and conditions of the suspension and specifying the action(s) the laboratory must take to have its accreditation reinstated. Conditions of suspension will include prohibiting the laboratory from using the NVLAP logo on its test reports during the suspension period. The determination of the Director of OPSP whether to suspend or to propose revocation of a laboratory's accreditation will depend on the nature of the violation(s) of the terms of its accreditation.

(d) A laboratory whose accreditation has been denied, revoked, terminated, or expired, or which has withdrawn its application before being accredited, may reapply and be accredited if the laboratory:
(1) Completes the assessment and evaluation process; and
(2) Meets the conditions and criteria for accreditation that are set out in Subpart D;

Sec. 7.25 Voluntary termination of accreditation.

A laboratory may at any time terminate its participation and responsibilities as an accredited laboratory by advising the Director of OPSP in writing of its desire to do so. The Director of OPSP shall terminate the laboratory's accreditation and shall notify the laboratory stating that its accreditation has been terminated in response to its request.

SUBPART D - CONDITIONS AND CRITERIA FOR ACCREDITATION

Sec. 7.31 Application of accreditation conditions and criteria.

(a) To become accredited and maintain accreditation, a laboratory must meet the conditions for accreditation set out in Section 7.32 and the criteria set out in Section 7.33 as tailored for specific LAPs.

(b) The conditions leading to accreditation include acceptance of the responsibilities of an accredited laboratory and requirements for information disclosure.

(c) The criteria are tailored and interpreted for the test methods, types of test methods, products, services or standards of the relevant LAP. These tailored criteria are the technical requirements for accreditation developed through the procedures of Section 7.15.

(d) In applying the conditions, criteria, and technical requirements for accreditation, the Director of OPSP shall not:

(1) Prohibit accreditation solely on the basis of a laboratory's affiliation or nonaffiliation with manufacturing, distributing, or vending organizations, or because the laboratory is a foreign firm; or

(2) Develop, modify, or promulgate test methods, standards, or comparable administrative rules.

Sec. 7.32 Conditions for accreditation.

(a) To become accredited and maintain accreditation, a laboratory shall agree in writing to:

(1) Be assessed and evaluated initially and on a periodic basis;

(2) Demonstrate, on request, that it is able to perform the tests representative of those for which it is seeking accreditation;

(3) Pay all relevant fees;

(4) Participate in proficiency testing as required.

(5) Be capable of performing the tests for which it is accredited according to the latest version of the test method within one year after its publication or within another time limit specified by the Director of OPSP;

(6) Limit the representation of the scope of its accreditation to only those tests or services for which accreditation is granted;

(7) Limit all its test work or services for clients to those areas where competence and capacity are available;

(8) Limit advertising of its accredited status to letterheads, brochures, test reports, and professional, technical, trade, or other laboratory services publications, and use the NVLAP logo under guidance provided by the Director of OPSP;

(9) Inform its clients that the laboratory's accreditation or any of its test reports in no way constitutes or implies product certification, approval, or endorsement by NBS;

(10) Maintain records of all actions taken in response to testing complaints for a minimum of one year;

(11) Maintain an independent decisional relationship between itself and its clients, affiliates, or other organizations so that the laboratory's capacity to render test reports objectively and without bias is not adversely affected;

(12) Report to the Director of OPSP within 30 days any major changes involving the location, ownership, management structure, authorized representative, approved signatories, or facilities of the laboratory; and

(13) Return to the Director of OPSP the certificate of accreditation for possible revision or other action should it:

(i) be requested to do so by the Director of OPSP;

(ii) voluntarily terminate its accredited status; or

(iii) become unable to conform to any of these conditions or the applicable criteria of Section 7.33 and related technical requirements.

(b) To become accredited and maintain accreditation, a laboratory shall supply, upon request, the following information:

(1) Legal name and full address;

(2) Ownership of the laboratory;

(3) Organization chart defining relationships that are relevant to performing testing covered in the accreditation request;

(4) General description of the laboratory, including its facilities and scope of operation;

(5) Name and telephone number of the authorized representative of the laboratory;

(6) Names or titles and qualifications of laboratory staff nominated to serve as approved signatories of test reports that reference NVLAP accreditation; and

(7) Other information as may be needed for the specific LAP(s) in which accreditation is sought.

Sec. 7.33 Criteria for accreditation.

(a) Quality System. (1) The laboratory shall operate under an internal quality assurance program appropriate to the type, range, and volume of work performed. The quality assurance program must be designed to ensure the required degree of accuracy and precision of the laboratory's work and should include key elements of document control, sample control, data validation, and corrective action. The quality assurance program must be documented in a quality manual or equivalent (e.g., operations notebook) which is available for use by laboratory staff. A person(s) must be identified as having responsibility for maintaining the quality manual.
(2) The quality manual must include as appropriate:
(i) The laboratory's quality assurance policies including procedures for corrective action for detected test discrepancies;
(ii) Quality assurance responsibilities for each function of the laboratory;
(iii) Specific quality assurance practices and procedures for each test, type of test, or other specifically delineated function performed;
(iv) Specific procedures for retesting, control charts, reference materials, and interlaboratory tests; and
(v) Procedures for dealing with testing complaints.
(3) The laboratory shall periodically review its quality assurance system by or on behalf of management to ensure it's continued effectiveness. These reviews must be recorded with details of any corrective action taken.

(b) Staff. (1) The laboratory shall:
(i) Be staffed by individuals having the necessary education, training, technical knowledge, and experience for their assigned functions; and
(ii) Have a job description for each professional, scientific, supervisory and technical position, including the necessary education, training, technical knowledge, and experience.
(2) The laboratory shall document the test methods each staff member has been assigned to perform.
(3) The laboratory shall have a description of its training program for ensuring that new or untrained staff are able to perform tests properly and uniformly to the requisite degree of precision and accuracy.
(4) The laboratory shall be organized:
(i) So that staff members are not subjected to undue pressure or inducement that might influence their judgment or results of their work; and
(ii) In such a way that staff members are aware of both the extent and the limitation of their area of responsibility.
(5) The laboratory shall have a technical manager (or similar title) who has overall responsibility for the technical operations of the laboratory.
(6) The laboratory shall have one or more signatories approved by the Director of OPSP to sign test reports that reference NVLAP accreditation. Approved signatories shall:
(i) Be competent to make a critical evaluation of test results; and
(ii) Occupy positions within the laboratory's organization which makes them responsible for the adequacy of test results.

(c) Facilities and Equipment. (1) The laboratory shall be furnished with all items of equipment and facilities for the correct performance of the tests and measurements for which accreditation is granted and shall have adequate space, lighting, and environmental control, and monitoring to ensure compliance with prescribed testing conditions.
(2) All equipment must be properly maintained to ensure protection from corrosion and other causes of deterioration. Instructions for a proper maintenance procedure for those items of equipment which require periodic maintenance must be available. Any item of equipment or component thereof which has been subjected to overloading or mishandling, gives suspect results, or has been shown by calibration or otherwise to be defective, must be taken out of service and clearly labelled until it has been repaired. When placed back in service, this equipment must be shown by test or calibration to be performing its function satisfactorily.
(3) Records of each major item of equipment must be maintained. Each record must include:
(i) The name of the item of equipment;
(ii) The manufacturer's name and type, identification and serial number;
(iii) Date received and date placed in service;
(iv) Current location, where appropriate;
(v) Details of maintenance; and
(vi) Date of last calibration, next calibration due date, and calibration report references.

(d) Calibration. The laboratory shall:
(1) Calibrate new testing equipment before putting it into service;
(2) Recalibrate, at regular intervals, in-service testing equipment with the calibration status readily available to the operator;
(3) Perform checks of in-service testing equipment between the regular calibration intervals, where relevant;
(4) Maintain adequate records of all calibrations and recalibrations; and
(5) Provide traceability of all calibrations and reference standards of measurement where these standards exist. Where traceability of measurements to primary (national or international) standards is not applicable, the laboratory shall provide satisfactory evidence of the accuracy or reliability of test results (e.g., by participation in a suitable program of interlaboratory comparison).

(e) Test Methods and Procedures. The laboratory shall:
(1) Conform in all respects with the test methods and procedures required by the specifications against which the test item is to be tested, except that whenever a departure becomes necessary for technical reasons the departure must be acceptable to the client and recorded in the test report;
(2) Have data to prove that any departures from standard methods and/or procedures due to apparatus design or for other reasons do not detract from the expected or required precision of the measurement;
(3) Maintain a test plan for implementing testing standards and procedures including adequate instructions on the use and operation of all relevant equipment, on the handling and preparation of test items (where applicable), and on standard testing techniques where the absence of such instructions could compromise the test. All instructions, testing standards, specifications, manuals, and reference data relevant to the work of the laboratory must be kept up-to-date and made readily available to the staff;
(4) Maintain measures for the detection and resolution of in-process testing discrepancies for manual and automatic test equipment and electronic data processing equipment, where applicable;
(5) Maintain a system for identifying samples or items to be tested, which remains in force from the date of receipt of the item to the date of its disposal, either through documents or through marking to ensure that there is no confusion regarding the identity of the samples or test items and the results of the measurements made; and
(6) Maintain rules for the receipt, retention, and disposal of test items, including procedures for storage and handling precautions to prevent damage to test items which could invalidate the test results. Any relevant instructions provided with the tested item must be observed.

(f) Records. The laboratory shall:
(1) Maintain a record system which contains sufficient information to permit verification of any issued report;
(2) Retain all original observations, calculations and derived data, and calibration records for one year unless a longer period is specified; and
(3) Hold records secure and in confidence, as required.

(g) Test Reports. (1) The laboratory shall issue test reports of its work which accurately, clearly, and unambiguously present the specified test results and all required information. Each test report must include the following information as applicable:
(i) Name and address of the laboratory;
(ii) Identification of the test report by serial number, date, or other appropriate means;
(iii) Name and address of client;
(iv) Description and identification of the test specimen, sample, or lot of material represented;
(v) Identification of the test specification, method, or procedure used;
(vi) Description of sampling procedure, if appropriate;
(vii) Any deviations, additions to, or exclusions from the test specifications;
(viii) Measurements, examinations, and derived results supported by tables, graphs, sketches, and photographs, as appropriate, and any failures identified;
(ix) A statement of measurement uncertainty where relevant;
(x) Identification of the organization and the person accepting technical responsibility for the test report and date of issue;
(xi) A statement that the report must not be reproduced except in full with the approval of the laboratory; and
(xii) A statement to the effect that the test report relates only to the items tested.

(2) The laboratory shall issue corrections or additions to a test report only by a further document suitably marked, e.g. "Supplement to test report serial number .....," which meets the relevant requirements of Section 7.33(g)(1).
(3) The laboratory shall retain a copy of each test report issued for one year unless a longer period is specified by the Director of OPSP.
(4) The laboratory shall ensure that all test reports endorsed with the NVLAP logo are signed by an approved signatory.

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11. ABSTRACT (A 200-word or less factual summary of most significant information. If document includes a significant bibliography or literature survey, mention it here)

This 1985-86 NVLAP Directory of Accredited Laboratories provides information on the activities of the National Bureau of Standards in administering the National Voluntary Laboratory Accreditation Program (NVLAP) during calendar year 1985. The status of current programs is briefly described and a summary of laboratory participation is provided. Indexes cross reference the laboratories by name, NVLAP Lab Code Number, test method, accreditation program, and geographical location and cross reference NVLAP code numbers with test method designations. The scope of accreditation of each laboratory, listing the test methods for which it is accredited, is provided along with a tabulation of test methods and the laboratories accredited for those test methods.

12. KEY WORDS (Six to twelve entries; alphabetical order; capitalize only proper names; and separate key words by semicolons)

accreditation, acoustics, carpet, concrete, directory, dosimetry, film, electromagnetic compatibility, laboratory, paint, paper, sealants, seals, stoves, telecommunications, thermal insulation

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